NORSK DATA A.S

MAI - 1984

C O N T E N T S

325357	06	CABL EXT EPSON-80 KM-1D	322946
325358	06	CABL EXT T-1612 KM-1D	
325359	10	CABL EXT FACIT N-10 8PIN CU.LO	
325360	10	CABL EXT FACIT N-10 42PI CU.LO	
325361	06	CABL EXT OMNI 825 N-100 RS232	
325362	06	CABL EXT OMNI 825 KM1-D RS232	
325363	06	CABL EXT 1640/50 KM1-D RS232	
325364	06	CABL EXT FACIT4420 N-100 RS232	
325365	06	CABL EXT FACIT4420 N-10 ND711	
325366	06	CABL EXT FACIT4420 KM1-D RS232	
325367	06	CABL EXT TALLY1612 N-100 RS232	322873
325368	06	CABL EXT CDC 9352 N-10	322287
325369	06	CABL EXT LP 3-900L 938X N100	322878
325370	02	CABL EXT SMD SNITT SMC N100	322877
325370	06	CABL EXT SMD SNITT SMC N100	322877
325370	08	CABL EXT SMD SNITT SMC N100	322877
325371	02	CABL EXT SMD SNIT SMR/SMT N100	322876
325371	06	CABL EXT SMD SNIT SMR/SMT N100	322876
325371	08	CABL EXT SMD SNIT SMR/SMT N100	322876
325372	01	CABL EXT SMD SNITT DAISY CHAIN	322299
325372	02	CABL EXT SMD SNITT DAISY CHAIN	322299
325372	04	CABL EXT SMD SNITT DAISY CHAIN	322291
325373	08	CABL EXT SMD SNITT SMC N10	322274
325374	04	CABL EXT 9.2 MBYTE N-10	322288
325375	02	CABL EXT 9.2 MBYTE DAISY CHAIN	322289
325375	08	CABL EXT 9.2 MBYTE DAISY CHAIN	
325376	04	CABL EXT SMD SNITT SMR/SMT N10	322290
325377	01	CABL EXT MMD SNITT DAISY CHAIN	322482
325378	03	CABL EXT 1-2 STC 125 6250 N100	322858
325379	03	CABL EXT 3-4 STC 125 6250 N100	322858
325379	06	CABL EXT STC 125 6250 N100	322858
325382	06	CABL EXT CDC 900LP N-100	
325383	06	CABL EXT X-DCE X21 N-100 X21	325234
325384	06	CABL EXT PIOC COM.L N100 X21	325233
325385	06	CABL EXT PIOC/HDLC N100 X21	
325386	06	CABL EXT S.MOD N100 HDLC/PIOC	322872
325387	06	CABL EXT A.MOD VDCE N100 PIOC	
325390	06	CABL EXT 4 PAIR 1-1 8-PINS	322275
325391	10	CABL EXT 4 PAIR 1-0 42-PINS	322276
325392	04	CABL EXT 12 PAIR 1-0 42-PINS	322700
325392	06	CABL EXT 12 PAIR 1-0 42-PINS	322277
325392	08	CABL EXT 12 PAIR 1-0 42-PINS	322701
325392	10	CABL EXT 12 PAIR 1-0 42-PINS	322702
325393	04	CABL EXT 21 PAIR 1-1 42-PINS	322278
325393	06	CABL EXT 21 PAIR 1-1 42-PINS	322703
325393	200	CABL EXT 21 PAIR 1-1 42-PINS	322716
325394	06	CABL EXT 21 PAIR 1-0 42-PINS	322343
325394	08	CABL EXT 21 PAIR 1-0 42-PINS	322344
325394	10	CABL EXT 21 PAIR 1-0 42-PINS	322344
325396	02	CABL EXT MAINS F/ISO.TRAFO	322830
325396	04	CABL EXT VERSATEC N10 DMA	322293
325397	06	CABL EXT VERSATEC N10 SERIAL	322304
325398	06	CABL EXT NTB 1-4PLUG N100	322864
325398	10	CABL EXT NTB 1-4PLUG N100	322864
325399	06	CABL EXT NTB 3-4PLUG N100	322865
325399	10	CABL EXT NTB 3-4PLUG N100	322865
325400	06	CABL EXT MEGALINK N100 N100	322866
325401	06	CABL EXT HDLC N100 N10S	322870
325402	06	CABL EXT HDLC N100 N100	322871
325403	04	CABL EXT FREEST.FL ND360 N100	322875
325404	06	CABL EXT DATAPR. 1210 N100	322879
325405	06	CABL EXT DATAPR. 1210 N10	322718
325406	06	CABL EXT LP 3-900L 938X N10	322298

325407 04	CABL EXT PERTEC	N-100	322920
325408 01	CABL EXT FALCON	N-100	322921
325408 03	CABL EXT FALCON	N-100	322921
325409 04	CABL EXT HAWK DISK	N-100	322922
325410 06	CABL EXT ND845	N-100 25PIN	322923
325411 06	CABL EXT ND845	N-100 37PIN	322924
325412 06	CABL EXT ND845	N-10 42PIN	322925
325413 02	CABL EXT SMD SNITT	SMC 1:1	322938
325414 06	CABL EXT MEGALINK	N100 N10S	
325415 04	CABL EXT N100 V24	N100 RS232	
325416 06	CABL EXT NTB V24	N100 25PIN	
325417 06	CABL EXT NTB V24	N100 37PIN	
325418 06	CABL EXT NTB V24	N10 ND711	
325419 06	CABL EXT NTB V24	N10 ND253	
325420 06	CABL EXT DP 55	N-100 RS232	
325421 06	CABL EXT DP 55	KM-1D RS232	
325422 18	CABL EXT LINE SPLIT MFC TO 0		325200
325423 10	CABL EXT LINE SPLIT V24 TO 0		325201
325424 06	CABL EXT C.LIN N100-N100 RS232		
325425 06	CABL EXT C.LINK N10/N100 RS232		
325426 06	CABL EXT OMNI 825	N-10 ND711	
325427 06	CABL EXT 1640/1650	N-10 ND711	
325428 06	CABL EXT 2200/2115	N-10 ND711	
325429 06	CABL EXT FACIT 4420	N10 ND711	
325430 06	CABL EXT TALLY 1612	N10 ND711	
325431 06	CABL EXT EPSON-80	N-10 ND711	
325432 06	CABL EXT T-340	N-10 ND711	
325434 06	CABL EXT CO.LINK N10-N10 ND711		
325435 06	CABL EXT DP-55	N-10 ND711	
325436 06	CABL EXT FACIT4420 MX80		
325437 06	CABL EXT SIMEX	N100	
325438 06	CABL EXT GP 300	ASYNC.	
325439 06	CABL EXT 1640/50	ASYNC.	
325441 06	CABL EXT HDLC LINK	N-10 N-10	322815
325442 03	CABL EXT SW CAB. WATCH DOG X		
325443 10	CABL EXT SW CAB. WATCH DOG A		
325444 10	CABL EXT SW CAB. WATCH DOG B		

NORSK DATA A.S	Title: CABL EXT GP 300L KM-1D RS 232	Drawing No. 3-9569 B 325300 XX

WIRE NO.	KM-ID SIGNAL NAME		MODEM COVER KM-1D DB-25-P	MODEM COWER PHILIPS DB-25-P	PHILIPS NY XON/XOFF DTR		
01							
02	TXD ←		2	2	2		
03							
04	RXD →		3	3	3		
05							
06	RTS ←		4				
07							
08	CTS →		5				
09							
10	DSR →		6	5-6			
11							
12	GND —		7	7	7		
13							
14	RLSD →		8	8	8		
15							
16	DTR ←		20	20	20		
17							
18	DTB ←		18				
19							
20							
21							
22					* 4-5-6		
23							
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NB! Shield connected to pin 1 in both plugs.

Cable type: 4 pair with Screen

* strappes

Drawn by: HO/må.	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date: 14.02.83			

NORSK DATA A.S	Title Cabl. Ext. GP 300L N-100 RS232	Drawing No. 3-9557 325301 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	PLUG PANEL FEMALE EXT: CAB: MALE COVER HARTING 25 PIN PLUG PIN NO	DEVICE PLUG EXT:CAB:MALE COVER MODEM PLUG 25 P PIN NO		
01	CHASSIS		c 1	1			
02			a 1	14			
03	TXD		c 2	2	3		
04	11+		a 2	15			
05	RXD		c 3	3	2		
06	12-		a 3	16			
07	RTS		c 4	4			
08	01+		a 4	17			
09	RFS		c 5	5	20		
10	02-		a 5	18			
11	DSR		c 6	6			
12			a 6	19			
13	GND		c 7	7	7		
14	DTR		a 7	✱ 20, 8	✱ 5-6-8		
15	SIGN. DET.		c 8	✱ 8, 20			
16			a 8	21			

INTERNAL CABLE : 64 wire flat cable
EXTERNAL CABLE 1: 4 pair round cable with screen
EXTERNAL CABLE 2:
EXTERNAL CABLE 3:
EXTERNAL CABLE 4:

Pin 1 in the device plug is connected to cable shield.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

✱ Strap in external cable.

Drawn by: HO/ma	Remarks B-connector on 3010 B & A connector on 3013	Replacement for	Date
Approved		Replaced by	Date
Date: 14.02.83			

NORSK DATA A.S	Title: CABL. EXT 2215/2115 N-100 RS 232	Drawing No. 3-9343 B 325303 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL FEMALE EXT.CAB. MALE COVER HARTING 25 PIN PLUG PIN NO.	[illegible] 25 S MODEM COVER PIN NO.		
01	CHASSIS			1			
02				✱ 14, 19			
03	TXD			2	3		
04	11+			15			
05	RXD			3	2		
06	12-			16			
07	RTS			4	8		
08	01+			17			
09	RFS			✱ 5, 6	20, 6		
10	02-			18			
11	DSR			✱ 6, 5			
12				✱ 19, 14			
13	GND			7	7		
14	DTR			20			
15	SIGN, DET.			8	4, 5		
16				21			
17	CHASSIS						
18							
19							
20							
21							
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INTERNAL CABLE TYPE :
EXTERNAL CABLE TYPE 1: 4 pair shielded round cable
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Pin 1 in the device plug is connected to cable. shield.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable

✱ Strap in external cable.

Drawn by	HO/kha	Remarks	Replacement for	Date
Approved		SHIELDED CONNECTOR IN COMPUTER END	Replaced by	Date
Date	26.11.79			

NORSK DATA A.S Oslo, Norway	Title CABL EXT 2215/2115 ASYNC RS 232	Drawing no. 4 - 94 47 B- 325306 XX

WIRE NO.	SIGNAL		MODEM CANNON DB-25-P (MALE) MODED	MODEM CANNON DB-25-S FEMALE TDV		
	TRANSMITTED DATA		2	2	BROWN	
01	RECEIVED DATA		3	3	BLACK	
	REQUEST TO SEND		4	4	GREEN	
02	FEADY FOR SENDING		5	5	BLACK	
	DATA SET READY		6		ORANGE	
03	SIGNAL GROUND		7	7	BLACK	
	CONN:DATA SET TO LINE		20	20,8,6	BLUE	
04	CALLING INDICATOR		22	22	BLACK	
05						
06						
07						
08						
09						
10						
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NB! SHIELD CONNECTED TO PIN 1 IN BOTH PLUGS

DRAWN BY HO/ma	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 06.04.81			

NORSK DATA A.S	Title: CABL EXT 2215 N-100 CU.LO	Drawing No. 3 - 9503
		325307 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG HARTING FEMALE EXT. CAB. MALE COVER HARTING 25 PIN PLUG PIN NO.	DEVICE PLUG EXT:CAB.FEMALE COVER MODEM 25 S PLUG PIN NO.		
1	CHASSIS		c 1	1			
2			a 1	14			
3	TXD		c 2	2			
4	I1+		a 2	15	23		
5	RXD		c 3	3			
6	12-		a 3	16	24		
7	RTS		c 4	4		TERMINAL 1	
8	01+		a 4	17	12		
9	RFS		c 5	5			
10	02-		a 5	18	13		
11	DSR		c 6	6			
12			a 6	19			
13	GND		c 7	7			
14	DTR		a 7	20			
15	SIGN. DET.		c 8	8			
16			a 8	21			
17	CHASSIS		c 9	1			
18			a 9	14			
19	TXD		c 10	2			
20	11+		a 10	15			
21	RXD		c 11	3			
22	12-		a 11	16			
23	RTS		c 12	4			
24	01+		a 12	17		TERMINAL 2	
25	RFS		c 13	5			
26	02-		a 13	18			
27	DSR		c 14	6			
28			a 14	19			
29	GND		c 15	7			
30	DTR		a 15	20			
31	SIGN. DET.		c 16	8			
32			a 16	21			
33	CHASSIS		c 17	1			
34			a 17	14			
35	TXD		c 18	2			
36	11+		a 18	15			
37	RXD		c 19	3			
38	12-		a 19	16			
39	RTS		c 20	4			
40	01+		a 20	17		TERMINAL 3	
41	RFS		c 21	5			
42	02-		a 21	18			
43	DSR		c 22	6			
44			a 22	19			
45	GND		c 23	7			
46	DTR		a 23	20			
47	SIGN. DET.		c 24	8			
48			a 24	21			
49	CHASSIS		c 25	1			
50			a 25	14			
51	TXD		c 26	2			
52	11+		a 26	15			
53	RXD		c 27	3			
54	12-		a 27	16			
55	RTS		c 28	4			
56	01+		a 28	17		TERMINAL 4	
57	RFS		c 29	5			
58	02-		a 29	18			
59	DSR		c 30	6			
60			a 30	19			
61	GND		c 31	7			
62	DTR		a 31	20			
63	SIGN. DET.		c 32	8			
64			a 32	21			

INTERNAL CABLE TYPE : 64 wire flat cable
EXTERNAL CABLE TYPE 1: 2 pair shielded round cable
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Pin 1 in the device plug is connected to cable shiel.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

Drawn by: HO/ma	Remarks	Replacement for	Date
Approved	B-connector on 3010		
Date: 17.3.81	B & A-connector on 3013	Replaced by	Date

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT 2215 TELEX PLUG CU.LO.	Drawing no. 4 - 9457 B
		325308 XX

NO.	SIGNAL.	POLARITY	PLUG BERG CPU POS.	8 PIN BURNDY	8 PIN TELEX 64-908-011 plug or 60-908-011 socket external 60-108-011 socket internal	CANNON DB 25 S
1	SIGN.			A	1	24
	GND			B	2	23
2	SIGN			C	4	13
	GND			D	3	12
3				E		
	SCREEN			H	6	
4				F		
				J		
5				K		
				M		
6				L		
				N		
7				P		
				S		
8				R		
				T		
9				U		
				W		
10				V		
				X		
11				Y		
				AA		
12				Z		
				BB		
13				CC		
				EE		
14				DD		
				FF		
15				HH		
				KK		
16				JJ		
				LL		
17				MM		
				PP		
18				NN		
				RR		
19				SS		
				UU		
20				TT		
				VV		

EXT. CABLE: 2 PAIR WITH SCREEN

DRAWN BY HO/ma	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 18.3.81			

NORSK DATA A.S Oslo, Norway	Title CABL EXT 2215 N-10 8 pin CU.LO	Drawing no. 325309 XX

WIRE NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY 42 PINS	TDV 2215 PLUG: CANNON DB-25S COVER:CANNON DB-51226-1A	PLUG BURNDY 8PINS
	LINE I 2	1	BERG 95	A	24	A
01	LINE I 1	0	BERG 94	C	23	B
	LINE O 2	1	BERG 93	B	13	C
02	LINE O 1	0	BERG 92	D	12	D
				E		
03				H		
				F		
04				J		
				K		
05				M		
				L		
06				N		
				P		
07				S		
				R		
08				T		
				U		
09				W		
				V		
10				X		
11						
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FOR CURRENT LOOP

DRAWN BY	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE			

NORSK DATA A.S Oslo, Norway	Title CABL EXT 2215 N-10 42 PIN CU.LO.	Drawing no. 325310 XX

WIRE NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY 42 PINS	TDV 2215 PLUG: CANNON DB-25S COVER:CANNON DB-51226-1A	PLUG BURNDY 8PINS
01	LINE I 2	1	BERG 95	A	24	A
	LINE I 1	0	BERG 94	C	23	B
02	LINE O 2	1	BERG 93	B	13	C
	LINE O 1	0	BERG 92	D	12	D
03				E		
				H		
04				F		
				J		
05				K		
				M		
06				L		
				N		
07				P		
				S		
08				R		
				T		
09				U		
				W		
10				V		
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FOR CURRENT LOOP

DRAWN BY	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE			

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT 2115 TELEX PLUG CU.LO	Drawing no. 325311 XX

NO.	SIGNAL			PLUG BERG (CPU POS.)	8 PIN BURNDY	8 PIN TELEX 64-908-011 plug or 60-908-011 socket external 60-108-011 socket internal	CANNON DB 25 S
1	Sign.					1	24 and 25
	GND					2	23
2	Sign.					4	13
	GND					3	12
3	SCREEN					6	
4							
5							
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EXT: CABLE: 2 PAIR WITH SCREEN

DRAWN BY NJN	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 26.8.80			

NORSK DATA A.S	Title: CABL EXT 2115 N-100 CU.LO	Drawing No.: 3-9322 325312 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL FEMALE EXT.CAB. MALE COVER HARTING 25 PIN PLUG PIN NO.	DEVICE PLUG EXT.CAB.FEMALE COVER MODEM 25S PLUG PIN NO.		
1	CHASSIS		c 1	1			
2			a 1	14			
3	TXD		c 2	2			
4	I1+		a 2	15	23		
5	RXD		c 3	3			
6	I2-		a 3	16	* 24-25		
7	RTS		c 4	4		TERMINAL	1
8	O1+		a 4	17	12		
9	RFS		c 5	5			
10	O2-		a 5	18	13		
11	DSR		c 6	6			
12			a 6	19			
13	GND		c 7	7			
14	DTR		a 7	20			
15	SIGN. DET.		c 8	8			
16			a 8	21			
17	CHASSIS		c 9	1			
18			a 9	14			
19	TXD		c 10	2			
20	I1+		a 10	15			
21	RXD		c 11	3			
22	I2-		a 11	16			
23	RTS		c 12	4		TERMINAL	2
24	O1+		a 12	17			
25	RFS		c 13	5			
26	O2-		a 13	18			
27	DSR		c 14	6			
28			a 14	19			
29	GND		c 15	7			
30	DTR		a 15	20			
31	SIGN. DET.		c 16	8			
32			a 16	21			
33	CHASSIS		c 17	1			
34			a 17	14			
35	TXD		c 18	2			
36	I1+		a 18	15			
37	RXD		c 19	3			
38	I2-		a 19	16			
39	RTS		c 20	4		TERMINAL	3
40	O1+		a 20	17			
41	RFS		c 21	5			
42	O2-		a 21	18			
43	DSR		c 22	6			
44			a 22	19			
45	GND		c 23	7			
46	DTR		a 23	20			
47	SIGN. DET.		c 24	8			
48			a 24	21			
49	CHASSIS		c 25	1			
50			a 25	14			
51	TXD		c 26	2			
52	I1+		a 26	15			
53	RXD		c 27	3			
54	I2-		a 27	16		TERMINAL	4
55	RTS		c 28	4			
56	O1+		a 28	17			
57	RFS		c 29	5			
58	O2-		a 29	18			
59	DSR		c 30	6			
60			a 30	19			
61	GND		c 31	7			
62	DTR		a 31	20			
63	SIGN. DET.		c 32	8			
64			a 32	21			

INTERNAL CABLE TYPE : 64 wire flatcable
EXTERNAL CABLE TYPE 1: 2 pair shielded round cable
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Pin 1 in the device plug is connected to cable. shield.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable

* Strap in external cable.

Drawn by: HO/kha	Remarks: B-connector on 3010 B & A-connector on 3013	Replacement for	Date
Approved		Replaced by	Date
Date: 26.11.79			

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT 2115 N-10 8 PIN CU.LO.	Drawing no. N-10 325313 XX

NO.	SIGNAL	POLARITY		PLUG BERG (CPU POS.)	PLUG BURNDY PINS 8	TDV-2115 Plug: CANNON DB-25S Cover: CANNON DB-51226-1A		
1	Line I 2	1		Berg 95	A	24 - 25		
	Line I 1	0		Berg 94	B	23		
2	Line O 2	1		Berg 93	C	13		
	Line O 1	0		Berg 92	D	12		
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

For Current Loop
In computerend the screen is connected to an earth Faston

DRAWN BY	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE			

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT 2115 N-10 42 PIN CU.LO	Drawing no. N-10 325314 XX

NO.	SIGNAL	POLARITY		PLUG BERG (CPU POS.)	PLUG BURNDY 42 PINS	TDV-2115 Plug: CANNON DB-25S Cover: CANNON DB-51226-1A		
1	Line I 2	1		Berg 95	A	24 - 25		
	Line I 1	0		Berg 94	C	23		
2	Line O 2	1		Berg 93	B	13		
	Line O 1	0		Berg 92	D	12		
3					E			
					H			
4					F			
					J			
5					K			
					M			
6					L			
					N			
7					P			
					S			
8					R			
					T			
9					U			
					W			
10					V			
					X			
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

For Current Loop

In computerend the screen is connected to an earth Faston

DRAWN BY	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE			

NORSK DATA A.S	Title: Cabl. Ext FACIT 4420 N100 CU.LO	Drawing No. 3-9570 / 325315 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	PLUGPANEL 25-pins "D" MALE COVER HARTING PIN NO:	DEVICE PLUG ADAPTER 5165 PIN NO.		
01	CHASSIS		c 1	1			
02			a 1	14			
03	TXD		c 2	2			
04	11+		a 2	15	T+		
05	RXD		c 3	3			
06	12-		a 3	16	T-		
07	RTS		c 4	4			
08	01+		a 4	17	R+		
09	RFS		c 5	5			
10	02-		a 5	18	R-		
11	DSR		c 6	6			
12			a 6	19			
13	GND		c 7	7			
14	DTR		a 7	20			
15	SIGN. DET.		c 8	8			
16			a 8	21			

INTERNAL CABLE : 64 wire flatcable
EXTERNAL CABLE 1: 2 pair round cable with screen
EXTERNAL CABLE 2:
EXTERNAL CABLE 3:
EXTERNAL CABLE 4:

In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

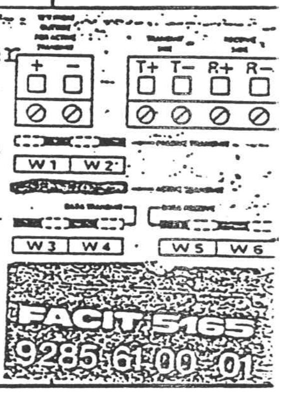
✖ Strap in external cable.

Drawn by HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date 14.02.83			

NORSK DATA A.S Oslo, Norway	Title CABL EXT FACIT TELEX PL. CU.LO.	Drawing no. 4-9464 325316 XX

WIRE NO.	SIGNAL			8 PIN BURNDY	8 PIN TELEX 64-908-011 plug or 60-908-011 socket ext. 60-108-011 socket int.	Adapter Facit 5165 92856100 01
01	SIGN			A	1	T-
	GND			B	2	T+
02	SIGN			C	4	R-
	GND			D	3	R+
03				E		
	SCREEN			H	6	NC
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

In adapter jumper
W1-W2-W3-W4-W5
and W6 must be
linked as showen



EXT. CABLE. 2 PAIR WITH SCREEN

In telex plug, the screen is connected to pin 6.

DRAWN BY HO/ma	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 14.02.83			

NORSK DATA A.S	Title: CABLE EXT N100 8-25P CL	Drawing No. 3 - 9395 / 325320 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	PLUG PANEL FEMALE EXT. CAB. MALE COVER HARTING 25pin plug pin no	DEVICE PLUG MALE 8 pin BURNDY pin no.		
1	CHASSIS		c 1	1			
2			a 1	14			
3	TXD		c 2	2			
4	11+		a 2	15	B		
5	RXD		c 3	3			
6	12-		a 3	16	A		
7	RTS		c 4	4			
8	01+		a 4	17	D		
9	RES		c 5	5			
10	02		a 5	18	C		
11	DSR		c 6	6			
12			a 6	19			
13	GND		c 7	7			
14	DTR		a 7	20			
15	SIGN. DET.		c 8	8			
16			a 8	21			

INTERNAL CABLE TYPE : 64 WIRE FLATCABLE
EXTERNAL CABLE TYPE 1: 2 PAIR SHIELDED ROUND CABLE

Pin H in the device plug is connected to cable shield
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

Drawn by	Remarks	Replacement for	Date
HO/ ma	B - connector on 3010 B & A connector on 3013		
Approved		Replaced by	Date
Date 20.10.80			

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT N10 8-42P CL	Drawing no. 325321 XX

NO.	SIGNAL	PLUG BERG (CPU POS.)	PLUG BURNDY	8-PIN BURNDY CONNECTOR (MALE)	
1	LINEI 2	BERG 95	A	A	
	LINEI 1	" 94	C	B	
2	LINEO 2	" 93	B	C	
	LINEO 1	" 92	D	D	
3		" 91	E		
		" 90	H		
4		" 89	F		
		" 88	J		
5		" 87	K		
		" 86	M		
6		" 85	L		
		" 84	N		
7		" 83	P		
		" 82	S		
8		" 81	R		
		" 80	T		
9		" 79	U		
		" 78	W		
10		" 77	V		
		" 76	X		
11		" 75	Y		
		" 74	AA		
12		" 73	Z		
		" 72	BB		
13		" 71	CC		
		" 70	EE		
14		" 69	DD		
		" 68	FF		
15		" 67	HH		
		" 66	KK		
16		" 65	JJ		
		" 64	LL		
17		" 63	MM		
		" 62	PP		
18		" 61	NN		
		" 60	RR		
19		" 59	SS		
		" 58	UU		
20		" 57	TT		
		" 56	VV		

DRAWN BY TU/BBO.	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 29.7.75.			

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT N10 TELE 8P CL	Drawing no. 325323 XX

NO.	SIGNAL			PLUG BERG (CPU POS.)	8 PIN BURNDY	8 PIN TELEX 64-908-011 plug or 60-908-011 socket external 60-108-011 socket internal	
1	Sign.				A	1	
	GND				B	2	
2	Sign.				C	4	
	GND				D	3	
3					E		
	SCREEN				H		
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							

EXT: CABLE: 2 PAIR WITH SCREEN

DRAWN BY NJN	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 26.8.80			

A/S NORSK DATA-ELEKTRONIKK

Title: CABL EXT TEXTR.4010 N10

ND253

Drawing no. 325325 XX

NO.	SIGNAL	PLUG BERG (CPU POS.)	PLUG BURNDY	CANNON DB-25-S	
1		BERG 95	A		
		" 94	C		
2		" 93	B		
		" 92	D		
3		" 91	E		
		" 90	H		
4		" 89	F		
		" 88	J		
5	T.DATA	" 87	K	3	R.DATA
	GND	" 86	M	7	GND
6	REQUEST TO SEND	" 85	L	8	SIGN:DETEC
	GND	" 84	N	7	
7	HIGH	" 83	P	6,5	DSR,RFS
	HIGH	" 82	S /X	LOOP TO 76	
8		" 81	R		
	BUSY	" 80	T	11,25	PRINTER BU
9	GND	" 79	U	7	
	R.DATA	" 78	W	2	T.DATA
10	SIGNAL DETECTOR	" 77	V	4	REQ.TO SEN
	SELECT RS-232	" 76	X /S	LOOP TO 82	
11	READY FOR SENDING	" 75	Y	20	TERM. READ
	GND	" 74	AA	7	
12		" 73	Z		
		" 72	BB		
13		" 71	CC		
		" 70	EE		
14		" 69	DD		
		" 68	FF		
15		" 67	HH		
		" 66	KK		
16		" 65	JJ		
		" 64	LL		
17		" 63	MM		
		" 62	PP		
18		" 61	NN		
		" 60	RR		
19		" 59	SS		
		" 58	UU		
20		" 57	TT		
		" 56	VV		

DRAWN BY	TU/bbo.	Remarks	Replacement for	Date
APPROVED BY			Replaced by	Date
DATE	29.7.75.			

NORSK DATA A.S Oslo, Norway	Title CABL EXT PTP N-100	Drawing no. 4.9433
		325330 XX

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.	PLUG CHANNEL	
1	PR_1	1	BERG 95	a 20	1	12	
	GND	0	" 94	c 20	20	25	
2	$CH9_1$	1	" 93	a 19	2	9 & 11	
	GND	0	" 92	c 19	21	25	
3	$CH8_1$	1	" 91	a 18	3	8	
	GND	0	" 90	c 18	22	25	
4	$CH7_1$	1	" 89	a 17	4	7	
	GND	0	" 88	c 17	23	25	
5	$CH6_1$	1	" 87	a 16	5	6	
	GND	0	" 86	c 16	24	25	
6	$CH5_1$	1	" 85	a 15	6	5	
	GND	0	" 84	c 15	25	25	
7	$CH4_1$	1	" 83	a 14	7	4	
	GND	0	" 82	c 14	26	25	
8	$CH3_1$	1	" 81	a 13	8	3	
	GND	0	" 80	c 13	27	25	
9	$CH2_1$	1	" 79	a 12	9	2	
	GND	0	" 78	c 12	28	25	
10	$CH1_1$	1	" 77	a 11	10	1	
	GND	0	" 76	c 11	29	25	
11	DUMMY	1	" 75	a 10	11	14/15	
	"	0	" 74	c 10	30		
12	"	1	" 73	a 9	12		
	"	0	" 72	c 9	31		
13	"	1	" 71	a 8	13		
	"	0	" 70	c 8	32		
14	"	1	" 69	a 7	14		
	"	0	" 68	c 7	33		
15	"	1	" 67	a 6	15		
	"	0	" 66	c 6	34		
16	"	1	" 65	a 5	16		
	"	0	" 64	c 5	35		
17	"	1	" 63	a 4	17		
	"	0	" 62	c 4	36		
18	"	1	" 61	a 3	18		
	"	0	" 60	c 3	37		
19	"	1	" 59	a 2	1		
	"	0	" 58	c 2	20		
20	"	1	" 57	a 1	2		
	"	0	" 56	c 1	21		
21		1	" 55		3		
		0	" 54		22		

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 6.9.79			

A/S NORSK DATA-ELEKTRONIKK	Title CABL EXT PTP N10	Drawing no. NORD-10 325331 XX

NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY	PLUG CANNON	
1	PR,	1	BERG 95	A	12	
	GND	0	" 94	C	25	
2	CH9,	1	" 93	B	9 & 11	
	GND	0	" 92	D	25	
3	CH8,	1	" 91	E	8	
	GND	0	" 90	H	25	
4	CH7,	1	" 89	F	7	
	GND	0	" 88	J	25	
5	CH6,	1	" 87	K	6	
	GND	0	" 86	M	25	
6	CH5,	1	" 85	L	5	
	GND	0	" 84	N	25	
7	CH4,	1	" 83	P	4	
	GND	0	" 82	S	25	
8	CH3,	1	" 81	R	3	
	GND	0	" 80	T	25	
9	CH2,	1	" 79	U	2	
	GND	0	" 78	W	25	
10	CH1,	1	" 77	V	1	
	GND	0	" 76	X	25	
11	DUMMY	1	" 75	Y	14/15	
	"	0	" 74	AA		
12	"	1	" 73	Z		
	"	0	" 72	BB		
13	"	1	" 71	CC		
	"	0	" 70	EE		
14	"	1	" 69	DD		
	"	0	" 68	FF		
15	"	1	" 67	HH		
	"	0	" 66	KK		
16	"	1	" 65	JJ		
	"	0	" 64	LL		
17	"	1	" 63	MM		
	"	0	" 62	PP		
18	"	1	" 61	NN		
	"	0	" 60	RR		
19	"	1	" 59	SS		
	"	0	" 58	UU		
20	"	1	" 57	TT		
	"	0	" 56	VV		
21		1	" 55	XX		
		0	" 54	WW		

DRAWN BY TM/eml	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 14/8/73			

NORSK DATA A.S Oslo, Norway	Title CABL EXT PTR N-100	Drawing no. 4.9432 325332 XX

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.	PLUG DIGITRONICS	
1	STOP$_1$	1	BERG 95	a 20	1	20	
	GND	0	" 94	c 20	20	12	
2	DRIVE$_1$	1	" 93	a 19	2	18	
	GND	0	" 92	c 19	21	12	
3	SPROCKET$_1$	1	" 91	a 18	3	N	
	GND	0	" 90	c 18	22	12	
4	RD7$_1$	1	" 89	a 17	4	M	
	GND	0	" 88	c 17	23	11	
5	RD6$_1$	1	" 87	a 16	5	L	
	GND	0	" 86	c 16	24	10	
6	RD5$_1$	1	" 85	a 15	6	K	
	GND	0	" 84	c 15	25	9	
7	RD4$_1$	1	" 83	a 14	7	J	
	GND	0	" 82	c 14	26	8	
8	RD3$_1$	1	" 81	a 13	8	H	
	GND	0	" 80	c 13	27	7	
9	RD2$_1$	1	" 79	a 12	9	F	
	GND	0	" 78	c 12	28	6	
10	RD1$_1$	1	" 77	a 11	10	E	
	GND	0	" 76	c 11	29	5	
11	RD0$_1$	1	" 75	a 10	11	D	
	GND	0	" 74	c 10	30	4	
12	DUMMY	1	" 73	a 9	12		
	"	0	" 72	c 9	31		
13	"	1	" 71	a 8	13		
	"	0	" 70	c 8	32		
14	"	1	" 69	a 7	14		
	"	0	" 68	c 7	33		
15	"	1	" 67	a 6	15		
	"	0	" 66	c 6	34		
16	"	1	" 65	a 5	16		
	"	0	" 64	c 5	35		
17	"	1	" 63	a 4	17		
	"	0	" 62	c 4	36		
18	"	1	" 61	a 3	18		
	"	0	" 60	c 3	37		
19	"	1	" 59	a 2	1		
	"	0	" 58	c 2	20		
20	"	1	" 57	a 1	2		
	"	0	" 56	c 1	21		
21		1	" 55		3		
		0	" 54		22		

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 6.9.79			

A/S NORSK DATA-ELEKTRONIKK

Title: CABL EXT PTR N10

Drawing no. NORD-10

325333 XX

NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY	PLUG DIGITRONICS	
1	STOP,	1	BERG 95	A	20	
	GND	0	" 94	C	12	
2	DRIVE,	1	" 93	B	18	
	GND	0	" 92	D	12	
3	SPROCKET,	1	" 91	E	N	
	GND	0	" 90	H	12	
4	RD7,	1	" 89	F	M	
	GND	0	" 88	J	11	
5	RD6,	1	" 87	K	L	
	GND	0	" 86	M	10	
6	RD5,	1	" 85	L	K	
	GND	0	" 84	N	9	
7	RD4,	1	" 83	P	J	
	GND	0	" 82	S	8	
8	RD3,	1	" 81	R	H	
	GND	0	" 80	T	7	
9	RD2,	1	" 79	U	F	
	GND	0	" 78	W	6	
10	RD1,	1	" 77	V	E	
	GND	0	" 76	X	5	
11	RD0,	1	" 75	Y	D	
	GND	0	" 74	AA	4	
12	DUMMY	1	" 73	Z		
	"	0	" 72	BB		
13	"	1	" 71	CC		
	"	0	" 70	EE		
14	"	1	" 69	DD		
	"	0	" 68	FF		
15	"	1	" 67	HH		
	"	0	" 66	KK		
16	"	1	" 65	JJ		
	"	0	" 64	LL		
17	"	1	" 63	MM		
	"	0	" 62	PP		
18	"	1	" 61	NN		
	"	0	" 60	RR		
19	"	1	" 59	SS		
	"	0	" 58	UU		
20	"	1	" 57	TT		
	"	0	" 56	VV		
21		1	" 55	XX		
		0	" 54	WW		

DRAWN BY TM/eml

APPROVED BY

DATE 14/8/73

Remarks

Replacement for | Date

Replaced by | Date

NORSK DATA A.S Oslo, Norway	Title CABL EXT CR N-100	Drawing no. 4-4912 325334 XX

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.	CARD READER PLUG	NAME CPU
1	ROW 11$_0$	1	BERG 95	a 20	1	B	D 10$_0$
	GND	0	" 94	c 20	20	F	GND
2	ROW 0$_0$	1	" 93	a 19	2	C	D 9$_0$
	GND	0	" 92	c 19	21	H	GND
3	ROW 12$_0$	1	" 91	a 18	3	A	D 11$_0$
	GND	0	" 90	c 18	22	E	GND
4	ROW 1$_0$	1	" 89	a 17	4	D	D 8$_0$
	GND	0	" 88	c 17	23	J	GND
5	PC$_0$	1	" 87	a 16	5	LL	
	GND	0	" 86	c 16	24	SS	
6	ROW 2$_0$	1	" 85	a 15	6	K	D 7$_0$
	GND	0	" 84	c 15	25	P	GND
7	RDY$_0$	1	" 83	a 14	7	BB	
	GND	0	" 82	c 14	26	FF	
8	ROW 3$_0$	1	" 81	a 13	8	L	D 6$_0$
	GND	0	" 80	c 13	27	R	GND
9	BSY$_0$	1	" 79	a 12	9	MM	
	GND	0	" 78	c 12	28	TT	
10	ROW 4$_0$	1	" 77	a 11	10	M	D 5$_0$
	GND	0	" 76	c 11	29	S	GND
11	IM$_0$	1	" 75	a 10	11	AA	
	GND	0	" 74	c 10	30	EE	
12	ROW 5$_0$	1	" 73	a 9	12	N	D 4$_0$
	GND	0	" 72	c 9	31	T	GND
13	HCK$_0$	1	" 71	a 8	13	JJ	
	GND	0	" 70	c 8	32	PP	
14	ROW 6$_0$	1	" 69	a 7	14	U	D 3$_0$
	GND	0	" 68	c 7	33	W	GND
15	HER$_0$	1	" 67	a 6	15	HH	
	GND	0	" 66	c 6	34	NN	
16	ROW 7$_0$	1	" 65	a 5	16	V	D 2$_0$
	GND	0	" 64	c 5	35	X	GND
17	MOCK$_0$	1	" 63	a 4	17	KK	
	GND	0	" 62	c 4	36	RR	
18	ROW 8$_0$	1	" 61	a 3	18	Y	D 1$_0$
	GND	0	" 60	c 3	37	CC	GND
19		1	" 59	a 2	1		
		0	" 58	c 2	20		
20	ROW 9$_0$	1	" 57	a 1	2	Z	D 0$_0$
	GND	0	" 56	c 1	21	DD	GND
21		1	" 55		3		
		0	" 54		22		

DRAWN BY	HO	Remarks	Replacement for	Date
APPROVED BY			Replaced by	Date
DATE	6.9.79			

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT CR N-10	Drawing no. NORD-10 325335 XX

NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY	CARD READER PLUG	NAME CPU
1	ROW 11$_0$	1	BERG 95	A	B	D 10$_0$
	GND	0	" 94	C	F	GND
2	ROW 0$_0$	1	" 93	B	C	D 9$_0$
	GND	0	" 92	D	H	GND
3	ROW 12$_0$	1	" 91	E	A	D 11$_0$
	GND	0	" 90	H	E	GND
4	ROW 1$_0$	1	" 89	F	D	D 8$_0$
	GND	0	" 88	J	J	GND
5	PC$_0$	1	" 87	K	LL	
	GND	0	" 86	M	SS	
6	ROW 2$_0$	1	" 85	L	K	D 7$_0$
	GND	0	" 84	N	P	GND
7	RDY$_0$	1	" 83	P	BB	
	GND	0	" 82	S	FF	
8	ROW 3$_0$	1	" 81	R	L	D 6$_0$
	GND	0	" 80	T	R	GND
9	BSY$_0$	1	" 79	U	MM	
	GND	0	" 78	W	TT	
10	ROW 4$_0$	1	" 77	V	M	D 5$_0$
	GND	0	" 76	X	S	GND
11	IM$_0$	1	" 75	Y	AA	
	GND	0	" 74	AA	EE	
12	ROW 5$_0$	1	" 73	Z	N	D 4$_0$
	GND	0	" 72	BB	T	GND
13	HCK$_0$	1	" 71	CC	JJ	
	GND	0	" 70	EE	PP	
14	ROW 6$_0$	1	" 69	DD	U	D 3$_0$
	GND	0	" 68	FF	W	GND
15	HER$_0$	1	" 67	HH	HH	
	GND	0	" 66	KK	NN	
16	ROW 7$_0$	1	" 65	JJ	V	D 2$_0$
	GND	0	" 64	LL	X	GND
17	MOCK$_0$	1	" 63	MM	KK	
	GND	0	" 62	PP	RR	
18	ROW 8$_0$	1	" 61	NN	Y	D 1$_0$
	GND	0	" 60	RR	CC	GND
19		1	" 59	SS		
		0	" 58	UU		
20	ROW 9$_0$	1	" 57	TT	Z	D 0$_0$
	GND	0	" 56	VV	DD	GND
21		1	" 55	XX		
		0	" 54	WW		

DRAWN BY	TM/eml	Remarks	Replacement for	Date
APPROVED BY			Replaced by	Date
DATE	7/11/73			

NORSK DATA A.S Oslo, Norway	Title CABL EXT T-340 N-100 CU.LO	Drawing no. 4-9440 325336 XX

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUG PANEL 2x37 pin plug connection	BURNDY 8-pin connector (MALE)	CANNON DB 25 P Modem cover (Ins. printer)
1	LINE I2		BERG 95	a20	1	A	20
	LINE I1		BERG 94	c20	20	B	16
2	LINE 02		BERG 93	a19	2	C	18
	LINE 01		BERG 92	c19	21	D	4
3			BERG 91	a18	3		
			BERG 90	c18	22		
4			BERG 89	a17	4		
			BERG 88	c17	23		
5			BERG 87	a16	5		
			BERG 86	c16	24		
6			BERG 85	a15	6		
			BERG 84	c15	25		
7			BERG 83	a14	7		
			BERG 82	c14	26		
8			BERG 81	a13	8		
			BERG 80	c13	27		
9			BERG 79	a12	9		
			BERG 78	c12	28		
10			BERG 77	a11	10		
			BERG 76	c11	29		
11			BERG 75	a10	11		
			BERG 74	c10	30		
12			BERG 73	a 9	12		
			BERG 72	c 9	31		
13			BERG 71	a 8	13		
			BERG 70	c 8	32		
14			BERG 69	a 7	14		
			BERG 68	c 7	33		
15			BERG 67	a 6	15		
			BERG 66	c 6	34		
16			BERG 65	a 5	16		
			BERG 64	c 5	35		
17			BERG 63	a 4	17		
			BERG 62	c 4	36		
18			BERG 61	a 3	18		
			BERG 60	c 3	37		
19			BERG 59	a 2	1		
			BERG 58	c 2	20		
20			BERG 57	a 1	2		
			BERG 56	c 1	21		
21			BERG 55		3		
			BERG 54		22		

2 pair with screen

DRAWN BY TF/ho	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 22.10.79			

NORSK DATA A.S	Title: CABL EXT T-340 KM-1D RS232	Drawing No. 3-9384 B
		325337 XX

WIRE NO.	KM-ID SIGNAL NAME	MODEM COVER KM-ID DB-25-P		HARTING COVER TERMINET 340 DB-25-P	TERMINET SIGNAL NAME		
01							
02	TXD ←	2					
03							
04	RXD →	3	→	2	R.DATA		
05							
06	RTS ←	4					
07							
08	CTS →	5					
09							
10	DSR →	6					
11							
12	GND —	7	—	7	GND		
13							
14	RLSD →	8					
15							
16	DTR ←	20	←	15	BUSY		
17							
18	DTB ←	18					
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
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62							
63							
64							

NB! Shield connected to pin 1 in both plugs

Cable type: 4 pair with Screen

Drawn by: HO/kha	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date: 5.3.82			

NORSK DATA A.S Oslo, Norway	Title: CABL EXT T-340 N-100 PARAL	Drawing no. 4-9446
		325338 XX

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUG PANEL 2x37 pin plug connection		CANNON DB 25 PIN
1	RDY	1	BERG 95	a20	1		13
	GND		BERG 94	c20	20		7
2	STR	0	BERG 93	a19	2		24
	GND		BERG 92	c19	21		7
3	DA 7	1	BERG 91	a18	3		NC
	GND		BERG 90	c18	22		NC
4	DA 6	1	BERG 89	a17	4		14
	GND		BERG 88	c17	23		7
5	DA 5	1	BERG 87	a16	5		12
	GND		BERG 86	c16	24		7
6	DA 4	1	BERG 85	a15	6		18
	GND		BERG 84	c15	25		7
7	DA 3	1	BERG 83	a14	7		8
	GND		BERG 82	c14	26		7
8	DA 2	1	BERG 81	a13	8		3
	GND		BERG 80	c13	27		7
9	DA 1	1	BERG 79	a12	9		2
	GND		BERG 78	c12	28		7
10	DA 0	1	BERG 77	a11	10		11
	GND		BERG 76	c11	29		7
11	STS	1	BERG 75	a10	11		5
	GND		BERG 74	c10	30		7
12			BERG 73	a 9	12		
			BERG 72	c 9	31		
13			BERG 71	a 8	13		
			BERG 70	c 8	32		
14			BERG 69	a 7	14		
			BERG 68	c 7	33		
15			BERG 67	a 6	15		
			BERG 66	c 6	34		
16			BERG 65	a 5	16		
			BERG 64	c 5	35		
17			BERG 63	a 4	17		
			BERG 62	c 4	36		
18			BERG 61	a 3	18		
			BERG 60	c 3	37		
19			BERG 59	a 2	1		
			BERG 58	c 2	20		
20			BERG 57	a 1	2		
			BERG 56	c 1	21		
21			BERG 55		3		
			BERG 54		22		

DRAWN BY HO/kha	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 24.4.80			

NORSK DATA A.S	Title: CABL EXT T-340 N-100 RS232	Drawing No. 3-9366
		325339 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL [illegible] EXT. CAB. MALE COVER HARTING 25 PIN PLUG PIN NO.	DEVICE PLUG EXT.CAB. MALE COVER MODEM PLUG 25P PIN NO.		
1	CHASSIS		c 1	1			
2			a 1	14			
3	TXD		c 2	2	2		
4	I1+		a 2	15			
5	RXD		c 3	3			
6	I2-		a 3	16			
7	RTS		c 4	4			
8	01+		a 4	17			
9	RFS		c 5	5	15		
10	02-		a 5	18			
11	DSR		c 6	6			
12			a 6	19			
13	GND		c 7	7	7		
14	DTR		a 7	* 20, 8			
15	SIGN. DET.		c 8	* 8, 20			
16			a 8	21			
17	CHASSIS		c 9	1			
18			a 9	14			
19	TXD		c 10	2			
20	I1+		a 10	15			
21	RXD		c 11	3			
22	I2-		a 11	16			
23	RTS		c 12	4			
24	01+		a 12	17			
25	RFS		c 13	5			
26	02-		a 13	18			
27	DSR		c 14	6			
28			a 14	19			
29	GND		c 15	7			
30	DTR		a 15	20			
31	SIGN. DET.		c 16	8			
32			a 16	21			
33	CHASSIS		c 17	1			
34			a 17	14			
35	TXD		c 18	2			
36	I1+		a 18	15			
37	RXD		c 19	3			
38	I2-		a 19	16			
39	RTS		c 20	4			
40	01+		a 20	17			
41	RFS		c 21	5			
42	02-		a 21	18			
43	DSR		c 22	6			
44			a 22	19			
45	GND		c 23	7			
46	DTR		a 23	20			
47	SIGN. DET.		c 24	8			
48			a 24	21			
49	CHASSIS		c 25	1			
50			a 25	14			
51	TXD		c 26	2			
52	I1+		a 26	15			
53	RXD		c 27	3			
54	I2-		a 27	16			
55	RTS		c 28	4			
56	01+		a 28	17			
57	RFS		c 29	5			
58	02-		a 29	18			
59	DSR		c 30	6			
60			a 30	19			
61	GND		c 31	7			
62	DTR		a 31	20			
63	SIGN. DET.		c 32	8			
64			a 32	21			

INTERNAL CABLE TYPE : 64 wire flat cable

EXTERNAL CABLE TYPE 1: 4 pair round cable with screen

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

Pin 1 in the device plug is connected to cable shiel.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

* Strap in external cable.

Drawn by	Remarks	Replacement for	Date
Approved	B-connector on 3010		
Date	B & A-connector on 3013	Replaced by	Date

NORSK DATA A.S	Title: CABL EXT 1640/1650 N-100 RS232	Drawing No. 3 - 9393
		325340 XX

WIRE NO	SIGNAL	POLARITY	EUROPLUG PIN NO	COMPUTER END PLUG 25 pin Cover Harting pin no	DEVICE PLUG PIN 25 S COVER MODEM PIN NO		
01	CHASSIS						
02							
03	TXD			2	3		
04	I1+						
05	RXD			3	2		
06	I2-						
07	RTS						
08	O1+						
09	RFS			5	20		
10	O2-						
11	DSR						
12							
13	GND			7	7		
14	DTR			* 20,8	6		
15	SIGN. DET.						
16							
17							
18							

INTERNAL CABLE TYPE:
EXTERNAL CABLE TYPE 1: 4 PAIR SHIELDED ROUND CABLE

PIN 1 IN THE DEVICE PLUG IS CONNECTED TO CABLE SHIELD:
IN THE COMPUTER END OF THE EXTERNAL CABLE THE SHIELD IS CONNECTED TO AN EARTH STRAP WITH FASTON.
MALE PLUG IN COMPUTER END OF CABLE.

* STRAP IN EXTERNAL CABLE

Drawn by HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date 10.10.80			

CABL. EXT TALLY 1612 N10
ND 253

325341 XX

NO.	SIGNAL	POLARITY	CPU POS.	PLUG BURNDY	Common DB 25 S	
1			BERG 95	A		
			" 94	C		
2			" 93	B		
			" 92	D		
3			" 91	E		
			" 90	H		
4			" 89	F		
			" 88	J		
5	T. Data		" 87	K	3	
	GND		" 86	M	7	
6	RTS		" 85	L		
	GND		" 84	N	7	
7	HIGH		" 83	P	6, 5	
	HIGH		" 82	S/X	Loop to 76	
8			" 81	R		
	BUSY		" 80	T		
9	GND		" 79	U	7	
	R.Data		" 78	W	2	
10	Carrier		" 77	V	4	
	Select RS232		" 76	X/S	Loop to 82	
11	RFS		" 75	Y	19	
	GND		" 74	AA	7	
12			" 73	Z		
			" 72	BB		
13			" 71	CC		
			" 70	EE		
14			" 69	DD		
			" 68	FF		
15			" 67	HH		
			" 66	KK		
16			" 65	JJ		
			" 64	LL		
17			" 63	MM		
			" 62	PP		
18			" 61	NN		
			" 60	RR		
19			" 59	SS		
			" 58	UU		
20			" 57	TT		
			" 56	VV		

A 19/6-79

A/S NORSK DATA-ELEKTRONIKK

Title: CABL EXT ASYNC MOD N-10
ND702

Drawing no.: NORD-10
325342 XX

NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY	CANNON DB-25-P	
1	TRANSM.DATA		BERG 95	A	2	
	GROUND		" 94	C	7	
2	TRANSM.FREQ.		" 93	B	11	
	REQ.TO SEND		" 92	D	4	
3	CON.DATA SET TO LINE		" 91	E	20	
	DATA SET REA		" 90	H	6	
4	READY FOR SENDING		" 89	F	5	
	LINE SIGN. DETECTOR		" 88	J	8	
5	RECEIVED DATA		" 87	K	3	
	GROUND		" 86	M	7	
6	CALLING INDICATOR		" 85	L	22	
		0	" 84	N	N.C.	
7		1	" 83	P		
		0	" 82	S		
8		1	" 81	R		
		0	" 80	T		
9		1	" 79	U		
		0	" 78	W		
10		1	" 77	V		
		0	" 76	X		
11		1	" 75	Y		
		0	" 74	AA		
12		1	" 73	Z		
		0	" 72	BB		
13		1	" 71	CC		
		0	" 70	EE		
14		1	" 69	DD		
		0	" 68	FF		
15		1	" 67	HH		
		0	" 66	KK		
16		1	" 65	JJ		
		0	" 64	LL		
17		1	" 63	MM		
		0	" 62	PP		
18		1	" 61	NN		
		0	" 60	RR		
19		1	" 59	SS		
		0	" 58	UU		
20		1	" 57	TT		
		0	" 56	VV		
21		1	" 55	XX		
		0	" 54	WW		

DRAWN BY TU/eml	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 5/12/73			

NORSK DATA A.S	Title: CABL EXT ASYNC MOD N-100	Drawing No. 3-9317
		325343 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL female Ext.Cab. male Cover Harting: 25 pin plug PIN NO.	Plug 25 P Cover DB 51-226-1 PIN NO.		
1	CHASSIS		c 1	1			
2			a 1	* 14 -19			
3	TXD		c 2	2	2		
4	I1+		a 2	15			
5	RXD		c 3	3	3		
6	I2-		a 3	16			
7	RTS		c 4	4	4	TERMINAL 1	
8	01+		a 4	17			
9	RFS		c 5	5	5		
10	02-		a 5	18			
11	DSR		c 6	6	6		
12			a 6	* 19 -14			
13	GND		c 7	7	7		
14	DTR		a 7	20	20		
15	SIGN. DET.		c 8	8	8		
16			a 8	21			
17	CHASSIS		c 9	1			
18			a 9	14			
19	TXD		c 10	2			
20	I1+		a 10	15			
21	RXD		c 11	3			
22	I2-		a 11	16			
23	RTS		c 12	4		TERMINAL 2	
24	01+		a 12	17			
25	RFS		c 13	5			
26	02-		a 13	18			
27	DSR		c 14	6			
28			a 14	19			
29	GND		c 15	7			
30	DTR		a 15	20			
31	SIGN. DET.		c 16	8			
32			a 16	21			
33	CHASSIS		c 17	1			
34			a 17	14			
35	TXD		c 18	2			
36	I1+		a 18	15			
37	RXD		c 19	3			
38	I2-		a 19	16			
39	RTS		c 20	4		TERMINAL 3	
40	01+		a 20	17			
41	RFS		c 21	5			
42	02-		a 21	18			
43	DSR		c 22	6			
44			a 22	19			
45	GND		c 23	7			
46	DTR		a 23	20			
47	SIGN. DET.		c 24	8			
48			a 24	21			
49	CHASSIS		c 25	1			
50			a 25	14			
51	TXD		c 26	2			
52	I1+		a 26	15			
53	RXD		c 27	3			
54	I2-		a 27	16			
55	RTS		c 28	4		TERMINAL 4	
56	01+		a 28	17			
57	RFS		c 29	5			
58	02-		a 29	18			
59	DSR		c 30	6			
60			a 30	19			
61	GND		c 31	7			
62	DTR		a 31	20			
63	SIGN. DET.		c 32	8			
64			a 32	21			

INTERNAL CABLE TYPE : 64 wire flatcable
EXTERNAL CABLE TYPE 1: 4 pair round cable with screen
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Pin 1 in the device plug is connected to cable shield.
In the computer end of the external cable the shield is connected to an earth strap (faston).

* Strap in external cable

Drawn by	TF	Remarks	Replacement for	Date
Approved		B-connector on 3010		
Date	20.11.79	B & A-connector on 3013	Replaced by	Date

NORSK DATA A.S Oslo, Norway	Title CABL EXT SYNC. MOD. N-100	Drawing no. 4-9428 325344 XX

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2X37 pin plug conn.	CANNON DB-25-P	
1	TRANSMITTED DATA		BERG 95	a 20	1	2	
	GROUND		" 94	c 20	20	7	
2	RATE SELECTOR		" 93	a 19	2	23	
	REQUEST TO SEND		" 92	c 19	21	4	
3	CONNECT D.S. TO LINE		" 91	a 18	3	20	
	DATA SET READY		" 90	c 18	22	6	
4	READY FOR SENDING		" 89	a 17	4	5	
	SIGNAL DETECTOR		" 88	c 17	23	8	
5	RECEIVED DATA		" 87	a 16	5	3	
	GROUND		" 86	c 16	24	7	
6	CALLING INDICATOR		" 85	a 15	6	22	
	GROUND		" 84	c 15	25	7	
7	TRANSMITTER TIMING		" 83	a 14	7	15	
	GROUND		" 82	c 14	26	7	
8	RECEIVER TIMING		" 81	a 13	8	17	
	GROUND		" 80	c 13	27	7	
9			" 79	a 12	9		
			" 78	c 12	28		
10			" 77	a 11	10		
			" 76	c 11	29		
11			" 75	a 10	11		
			" 74	c 10	30		
12			" 73	a 9	12		
			" 72	c 9	31		
13			" 71	a 8	13		
			" 70	c 8	32		
14			" 69	a 7	14		
			" 68	c 7	33		
15			" 67	a 6	15		
			" 66	c 6	34		
16			" 65	a 5	16		
			" 64	c 5	35		
17			" 63	a 4	17		
			" 62	c 4	36		
18			" 61	a 3	18		
			" 60	c 3	37		
19			" 59	a 2	1		
			" 58	c 2	20		
20			" 57	a 1	2		
			" 56	c 1	21		
21			" 55		3		
			" 54		22		

DRAWN BY HO	Remarks	Replacement for:	Date
APPROVED BY		Replaced by	Date
DATE 6.9.79			

NORSK DATA A.S	Title: CABL EXT KM-1D N-100 LOCAL	Drawing No. 3-9381 C 325345 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL FEMALE EXT. CAB. MALE COVER HARTING 25 PIN PLUG PIN NO.	KM-1D 25 P COVER MODEM PIN NO.		
1	CHASSIS		c 1	1			
2			a 1	14			
3	TXD		c 2	2	2		
4	I1+		a 2	15			
5	RXD		c 3	3	3		
6	12-		a 3	16			
7	RTS		c 4	4			
8	01+		a 4	17		1	
9	RFS		c 5	5	8		
10	02-		a 5	18			
11	DSR		c 6	6			
12			a 6	19			
13	GND		c 7	7	7		
14	DTR		a 7	※ 20-8	20		
15	SIGN. DET.		c 8	※ 8-20	6		
16			a 8	21			
17	CHASSIS		c 9	1			
18			a 9	14			
19	TXD		c 10	2			
20	11+		a 10	15			
21	RXD		c 11	3			
22	12-		a 11	16			
23	RTS		c 12	4			
24	01+		a 12	17			
25	RFS		c 13	5			
26	02-		a 13	18			
27	DSR		c 14	6			
28			a 14	19			
29	GND		c 15	7			
30	DTR		a 15	20			
31	SIGN. DET.		c 16	8			
32			a 16	21			
33	CHASSIS		c 17	1			
34			a 17	14			
35	TXD		c 18	2			
36	11+		a 18	15			
37	RXD		c 19	3			
38	12-		a 19	16			
39	RTS		c 20	4			
40	01+		a 20	17			
41	RFS		c 21	5			
42	02-		a 21	18			
43	DSR		c 22	6			
44			a 22	19			
45	GND		c 23	7			
46	DTR		a 23	20			
47	SIGN. DET.		c 24	8			
48			a 24	21			
49	CHASSIS		c 25	1			
50			a 25	14			
51	TXD		c 26	2			
52	11+		a 26	15			
53	RXD		c 27	3			
54	12-		a 27	16			
55	RTS		c 28	4			
56	01+		a 28	17			
57	RFS		c 29	5			
58	02-		a 29	18			
59	DSR		c 30	6			
60			a 30	19			
61	GND		c 31	7			
62	DTR		a 31	20			
63	SIGN. DET.		c 32	8			
64			a 32	21			

INTERNAL CABLE TYPE : 64 wire flat cable
EXTERNAL CABLE TYPE 1: 4 pair round cable
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Pin 1 in the KM-1D plug is connected to cable shiel.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

※ Strap in ext. cable.

Drawn by: HO/kha	Remarks	Replacement for	Date
Approved	B-connector on 3010		
Date: 27.4.82	B & A-connector on 3013	Replaced by	Date

NORSK DATA A.S	Title CABL EXT S.MOD N100 HDLC/PIOC	Drawing No. 3-9329 C 325346 XX

WIRE NO.	SIGNAL HDLC/PIOC	POLARITY	EUROPLUG PIN NO.	DEVICE PLUG DDC 25 P COWER HARTING PIN NO.	DEVICE PLUG DDC 25 P COWER MODEM PIN NO.		
01				1			
02				14			
03	TDA / TXD			2	2		
04	TCL / TXC			15	15		
05	RDA / RXD			3	3		
06				16			
07	RTS / RTS			4	4		
08	RCL / RXC			17	17		
09	RFS / RFS			5	5	1	
10	/ UTC			18			
11	DSR / DSR			6	6		
12	/ VLEV			19			
13	GND / GND			7	7		
14	DTR / DTR			20	20		
15	SD / SD			8	8		
16				21			
17				9			
18	RI			22	22		
19				10			
20				23			
21				11			
22				24			
23				12			
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INTERNAL CABLE TYPE :
EXTERNAL CABLE TYPE 1: 12 pair round cable with screen.
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Pin 1 in the device plug is connected to cable shield. In the computer end of the external cable the shield is connected to an earth strap with Faston.

Drawn by HO/kha	Remarks	Replacement for	Date
Approved	This cable should be connected to PIOC V- Connector	Replaced by	Date
Date 27.5.82			

NORSK DATA A.S	Title: CABL EXT ND 845 SYNC.MOD	Drawing No. 3 - 9391
		325347 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	PLUGPANEL MULTISWITCH 25 P COWER HARTING PIN NO	DEVICE PLUG 25 P COWER HARTING PIN NO.		
01	TRANSMITTED DATA			1	2		
02	GROUND			14	7		
03	RATE SELECTOR			2	23		
04	REQUEST TO SEND			15	4		
05	CONNECT D.S. TO LINE			3	20		
06	DATA SET READY			16	6		
07	READY FOR SENDING			4	5		
08	SIGNAL DIRECTOR			17	8		
09	RECEIVED DATA			5	3		
10	GROUND			18	7		
11	CALLING INDICATOR			6	22		
12	GROUND			19	7		
13	TRANSM. TIMING			7	15		
14	GROUND			20	7		
15	RECEIVER TIMING			8	17		
16	GROUND			21	7		
17							
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INTERNAL CABLE TYPE:
EXTERNAL CABLE TYPE 1: 12 PAIR SHIELDED ROUND CABLE.
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Pin 1 in the device plug is connected to cable shield. In the multisw. end of the external cable the shield is connected to an earth strap with Faston.

Drawn by NJN/ma	Remarks	Replacement for	Date
Approved	MULTISWITCH = ND 845	Replaced by	Date
Date 6.10.80			

NORSK DATA A.S Oslo, Norway	Title CABL EXT X-21 N10 HDLC	Drawing no. 325348 XX

WIRE NO.	SIGNAL	POLARITY	PLUG BERG CPU POS.	PLUG BURNDY 42 PIN	CANNON DP-15 P MALE		
01	RECEIVE DATA A		95	A	4		
	RECEIVE DATA B		94	C	11		
02	SIGN.ELEMENT TIMING A		93	B	6		
	SIGN.ELEMENT TIMING B		92	D	13		
03	INDICATION A		91	E	5		
	INDICATION B		90	H	12		
04	TRANSMIT DATA B		89	F	9		
	TRANSMIT DATA A		88	J	2		
05	CONTROL A		87	K	3		
	CONTROL B		86	M	10		
06			85	L			
			84	N			
07			83	P			
	READY FOR SENDING		82	S			
08			81	R			
	REQUEST TO SEND		80	T			
09			79	U			
	SIGNAL GROUND		78	W	8		
10			77				
			76				
11			75				
			74				
12			73				
			72				
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21			55				
			54				

NB! T and S loops in PLUG BURNDY in external cable

NB! L, N, P and W loops in PLUG BURNDY in external cable

DRAWN BY HO/kha	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 24.4.80			

CABL EXT KM-1D N-10 ND711

325349 XX

	1147	BURNDY MS42RM Female		Cannon DB 25 P Hanplugg	Altema KM - 1	
	RTS	D				
	T. Data	A	→	2	T. Data	
	DTR	E				
	Carrier	J				
	R. Data	K				
	RFS	F	←	3	R. Data	
	DSR	H				
	GND	M		7	GND	

This cable should be used when TALLY 1612 si connected to KM-1 in the other end of the line.

TF 19/6-79

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT SYNC MOD N-10 ND701	Drawing no. NORD-10 325351 XX

NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY	CANNON DB-25-P	
1	TRANSMITTED DATA		BERG 95	A	2	
	GROUND		" 94	C	7	
2	RATE SELECTOR		" 93	B	23	
	REQUEST TO SEND		" 92	D	4	
3	CONNECT D.S. TO LINE		" 91	E	20	
	DATA SET READY		" 90	H	6	
4	READY FOR SENDING		" 89	F	5	
	SIGNAL DETECTOR		" 88	J	8	
5	RECEIVED DATA		" 87	K	3	
	GROUND		" 86	M	7	
6	CALLING INDICATOR		" 85	L	22	
	GROUND		" 84	N	7	
7	TRANSMITTER TIMING		" 83	P	15	
	GROUND		" 82	S	7	
8	RECEIVER TIMING		" 81	R	17	
	GROUND		" 80	T	7	
9		1	" 79	U		
		0	" 78	W		
10		1	" 77	V		
		0	" 76	X		
11		1	" 75	Y		
		0	" 74	AA		
12		1	" 73	Z		
		0	" 72	BB		
13		1	" 71	CC		
		0	" 70	EE		
14		1	" 69	DD		
		0	" 68	FF		
15		1	" 67	HH		
		0	" 66	KK		
16		1	" 65	JJ		
		0	" 64	LL		
17		1	" 63	MM		
		0	" 62	PP		
18		1	" 61	NN		
		0	" 60	RR		
19		1	" 59	SS		
		0	" 58	UU		
20		1	" 57	TT		
		0	" 56	VV		
21		1	" 55	XX		
		0	" 54	WW		

DRAWN BY TU/eml	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 5/12/73			

NORSK DATA A.S	Title CABL EXT KM-1D TELEX PLUG -0 OR 8PINS PLUG -0	Drawing No. 3-9386B 325353 XX 325354 XX

WIRE NO.	SIGNAL	KM-1D (ND-100) POLARITY	ND 849 EUROPLUG PIN NO.	PLUGPANEL TELX PIN NO	DEVICE PLUG KM-1D PIN NO		
01	REC	1	A	1	3		
02	REC	2	B	2	4		
03	TRANSM.	3	C	4	1		
04	TRANSM.	4	D	3	2		
05							
06	SHIELD	5	H	6	5		
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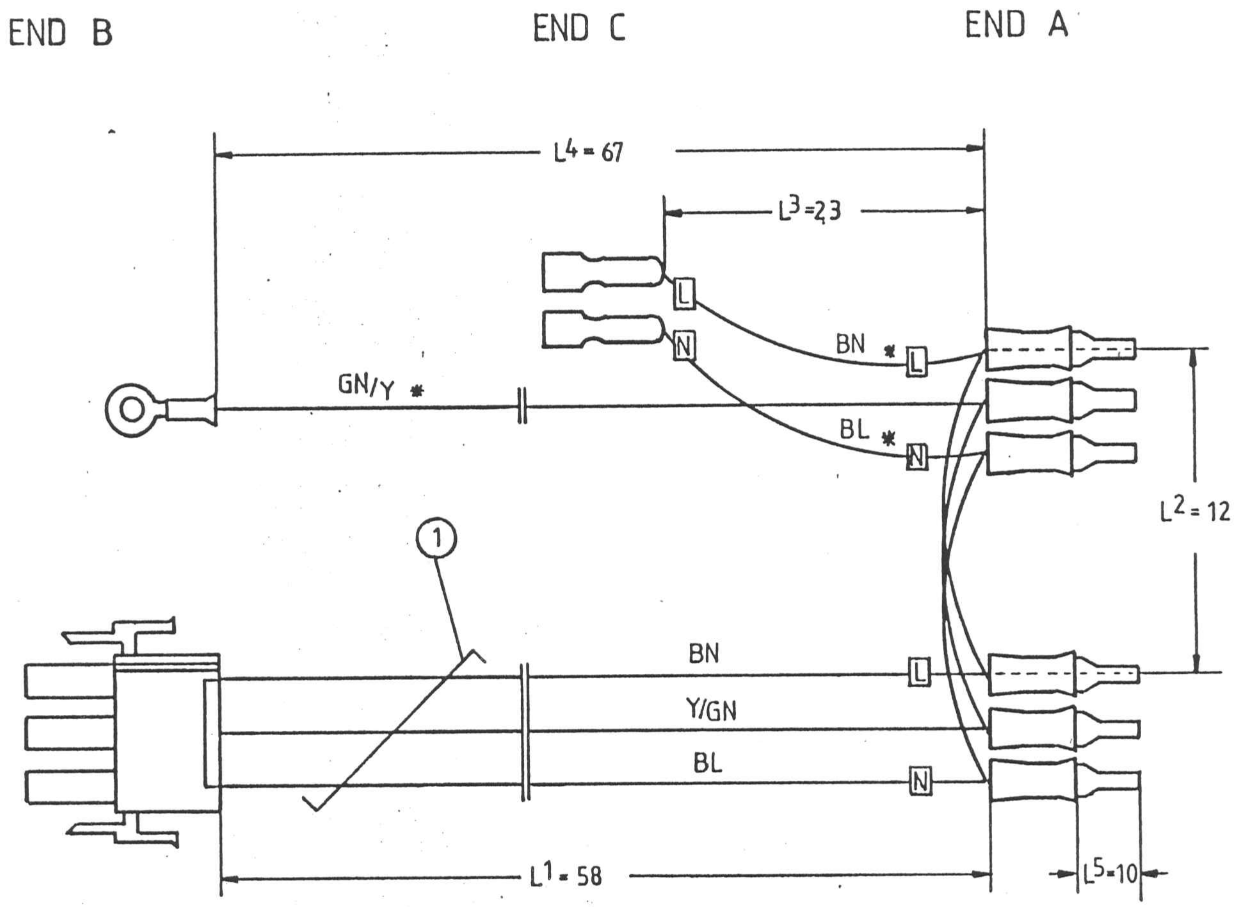
INTERNAL CABLE TYPE :
EXTERNAL CABLE TYPE 1: 2 pair shielded round cable
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Drawn by NJN/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date 15.3.82			



PIN	A	B	Pin/Faston/Ring	COLOUR CODE	SQ. MM.	TWISTED
AMP 165049	"	"	AMP 926893-1	BL	0,75	PAIR
"	"	"	"	Y/GN	"	
"	"	"	"	BN	"	
"	A	A	AMP 165049	BL	"	
"	"	"	"	Y/GN	"	
"	"	"	"	BN	"	
"	A	C	AMP 160583-2	BL *	1,5	
"	A	B	AMP 31890	Y/GN *	"	
"	A	C	AMP 160583-2	BN *	"	

① TWISTED

END A : AMP 165049 / AMP 160583 2 / SHR. SLEEVE 3/16"

END B : AMP 350766 1 / AMP 31890

CABLE TYPE: TP 100 / * = PN

CABLE LENGTH: L1=58 CM L2=12 CM L3=23 CM L4=67 CM

L5=10 MM

COLOUR CODE			
Black	BK	Green/Yellow	GN/Y
Brown	BN	Grey	GR
Orange	OR	Red	R
Yellow	Y	Violet	VO
Blue	BL		
White	W		
Green	GN		

Corrected L3=13 change to L3=23	Date 10/5-84	Sign. HK

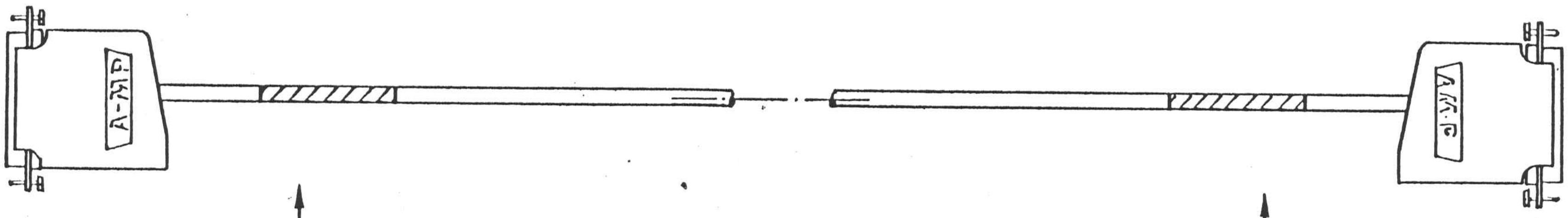
CABL. INT. TO 230V DIST.

Print no./ Scale	Drawn HK	6.2.84
	Contr.	
	Page 1 of 1	
Replacement for		
325037		
Replaced by		

NORSK DATA A.S
Oslo, Norway

END A
GP 300L

END B
KM-1D RS 232



LABLE

325300 XX
GP 300L KM 1D RS 232

XX INDICATES LENGTH IN METERS.

LABLE

325300 XX
GP 300L KM1D RS 232

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS

CONNECTORS TYPE: END A 25 P

END B 25 P

PRODUCTION TIPS:

Corrected	Date	Sign.

CABL. EXT
GP 300L & KM-1D

Drawn HJM
Date 7.2.83.
Appr.

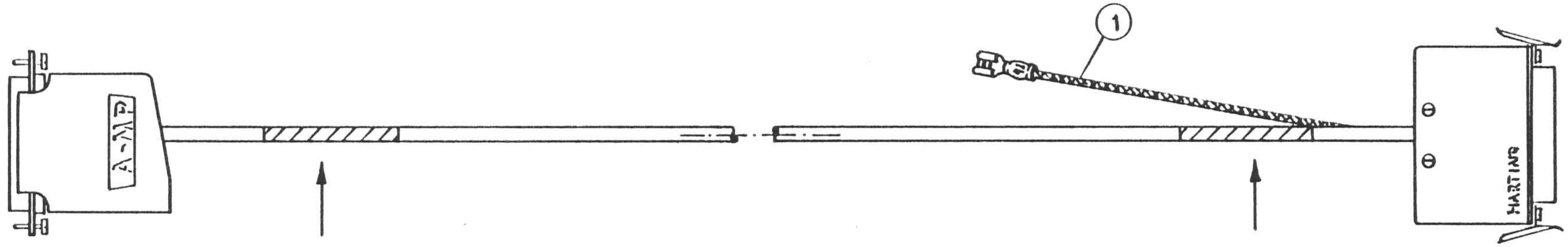
NORSK DATA A.S
Oslo, Norway

Replacement for

325300

END A
GP 300L

END B
ND 100 RS232



LABEL

325301 xx
GP 300L ND100 RS232

LABEL

325301 XX
GP 300L ND100 RS 232

XX INDICATES LENGTH IN METERS.

ADHERE LABEL 1-2 DM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS

CONNECTORS TYPE: END A 25 P

END B 25 P

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

Corrected	Date	Sign.

CABL. EXT.

GP 300L – ND 100 RS 232

Drawn	MJM
Date	18.1.83
Contr.	

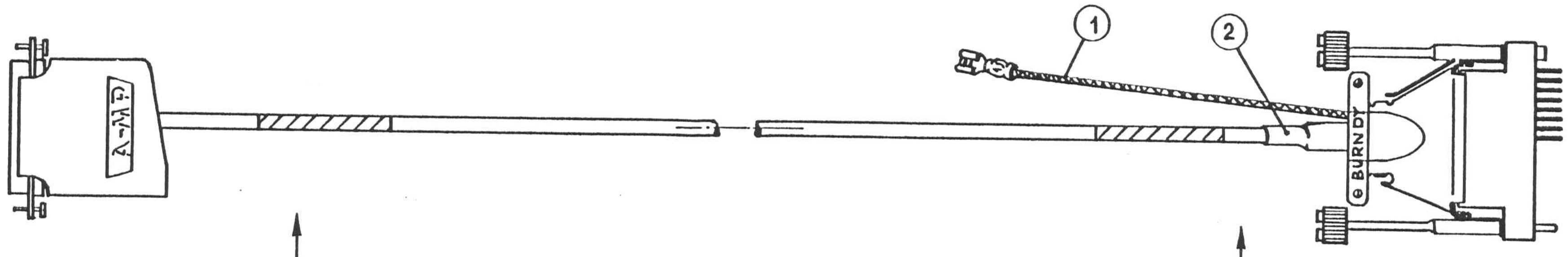
NORSK DATA A.S
Oslo, Norway

Replacement for

325301

END A
GP 300L

END B
ND 10



LABLE

325302 XX	
GP 300L	ND 10

LABLE

325302 XX	
GP 300L	ND 10

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS.

CONNECTORS TYPE: END A 25 P

END B 42 P BURNDY

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

2 SHR. SLEEVE 1/2"

Corrected	Date	Sign

CABL. EXT
GP 300L - ND 10

Drawn MJM
Date 7.2.83
Appr.

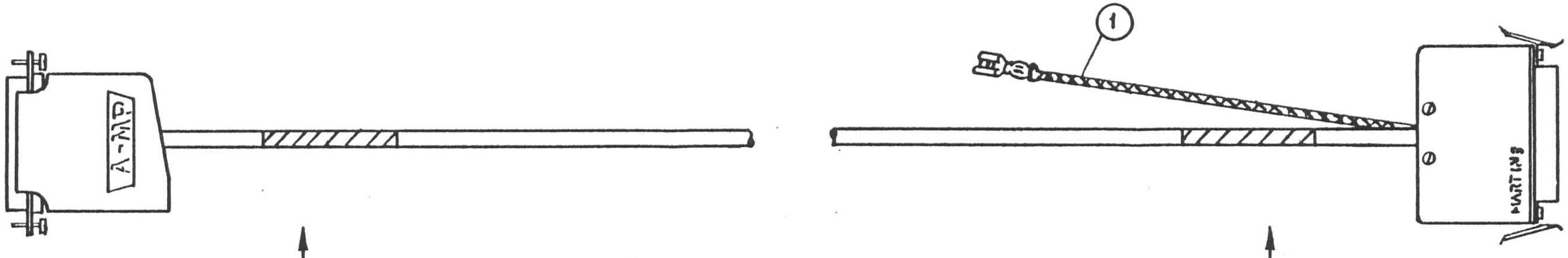
NORSK DATA A.S
Oslo, Norway

Replacement for

325302

END A
2215 / 2115

END B
ND 100 RS 232



LABLE

325303 XX
2215/2115 ND 100 RS 232

LABLE

325303 XX
2215/2115 ND 100 RS232

XX INDICATES LENGH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE:

CONNECTORS TYPE: END A 25 S

END B 25 P

PRODUCTION TIPS: NEK. HK-S-K 4 PAIRS

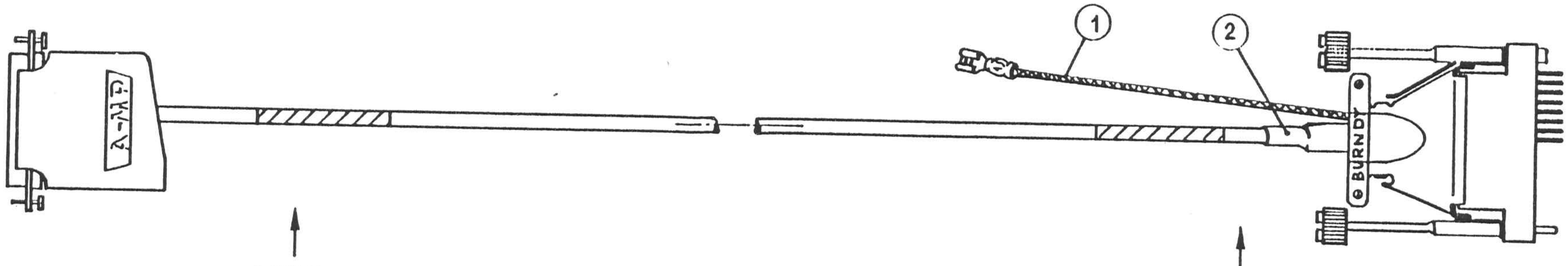
1 SHIELDED CABLE 15 CM

CABL. EXT 2215 / 2115 — ND 100 RS. 232	Drawn MJH Date 8.2.83. Appr.	
NORSK DATA A.S Oslo, Norway	Replacement for	325[illegible]03

Corrected	Date	Sign.

END A
2215 / 2115

END B
ND 10 RS 232



LABLE

325304 XX	
GP 300L	ND 10

LABLE

325304 XX	
GP 300L	ND 10

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS.

CONNECTORS TYPE: END A 25 P

END B 42 P BURNDY

PRODUCTION TIPS:

(1) SHIELDED CABLE 15 CM

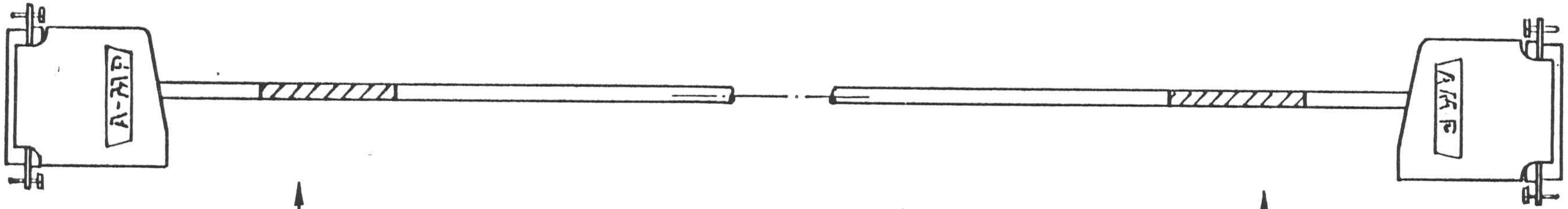
(2) SHR. SLEEVE 1/2"

CABL. EXT 2215 / 2115 - ND 10 RS 232	Drawn MJM
	Date 8. 2. 83
	Appr.
NORSK DATA A.S Oslo, Norway	Replacement for
	325304

Corrected	Date	Sign

END A
2215 / 2115

END B
KM-1D RS 232



LABLE

325305 XX
GP 300L KM 1D RS 232

LABLE

325305 XX
GP 300L KM1D RS 232

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS

CONNECTORS TYPE: END A 25 S

END B 25 P

PRODUCTION TIPS:

Corrected	Date	Sign

CABL. EXT
2215 / 2115 — KM-1D RS 232

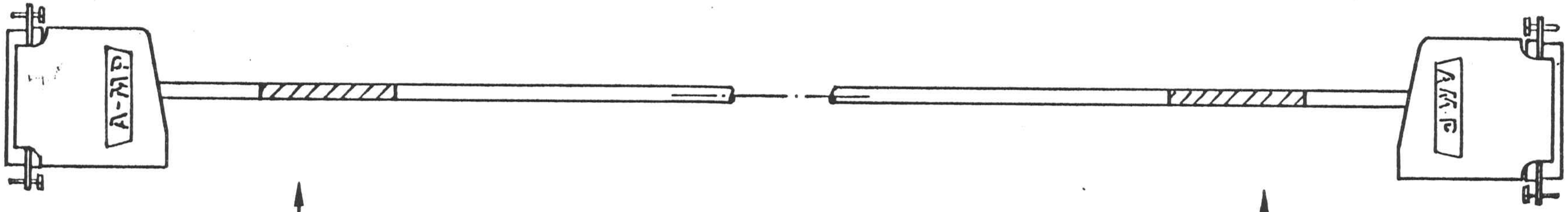
Drawn MJM
Date 9.2.83.
Appr.

NORSK DATA A.S
Oslo, Norway

Replacement for
325305

END A
2215 / 2115

END B
ASYNC. RS 232



LABLE

325306 XX
GP 300L ASYNC. RS 232

XX = INDICATES LENGTH IN METERS.

LABLE

325306 XX
GP 300L ASYNC. RS 232

ADHERE LABLE 10-20 CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS

CONNECTORS TYPE: END A 25 S

END B 25 P

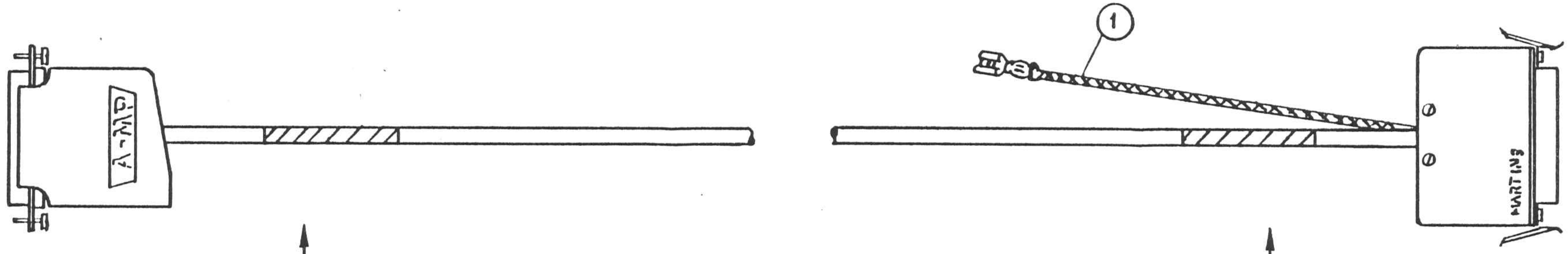
PRODUCTION TIPS:

Corrected	Date	Sign.

CABL. EXT 2215 / 2115 – ASYNC. RS 232	Drawn MJM Date 9.2.83. Appr.
NORSK DATA A.S Oslo, Norway	Replacement for 325306

END A
2215 / 2115

END B
ND 100 CU. LO.



LABLE

325307 XX
2215/2115 ND100 CULO

XX INDICATES LENGH IN METERS.

LABLE

325307 XX
2215/2115 ND100CULO

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE:

CONNECTORS TYPE: END A 25 S

END B 25 P

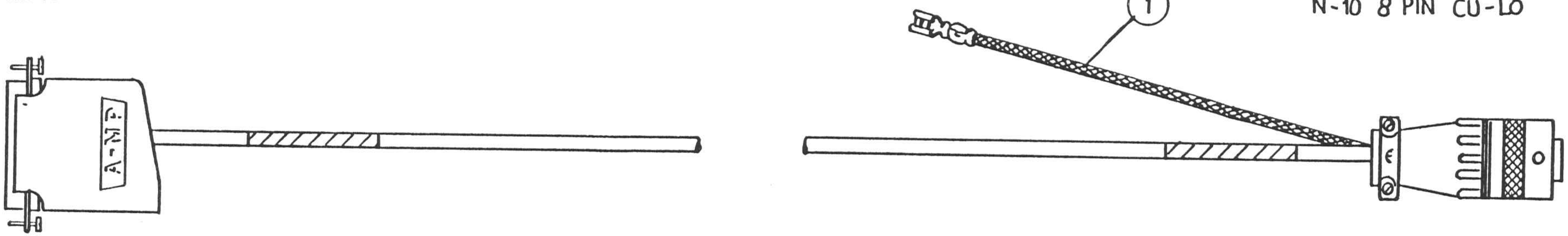
PRODUCTION TIPS: NEK. HK-S-K 4 PAIRS

1 SHIELDED CABLE 15 CM

		CABL. EXT 2215 / 2115 — ND 100 CU. LO		Drawn MjH Date 8.2.83. Appr
Corrected	Date	Sign	NORSK DATA A.S Oslo, Norway	Replacement for 3253 7

END A
2215

END B
N-10 8 PIN CU-LO



LABLE

325309 XX
2215 N-10 8PIN CU-LO

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK-S-K 2 PAIRS

CONNECTORS TYPE: END A 25 S

END B 8 PIN BURNDY

PRODUCTION TIPS:

1 SHIELD CABLE 15 CM

LABLE

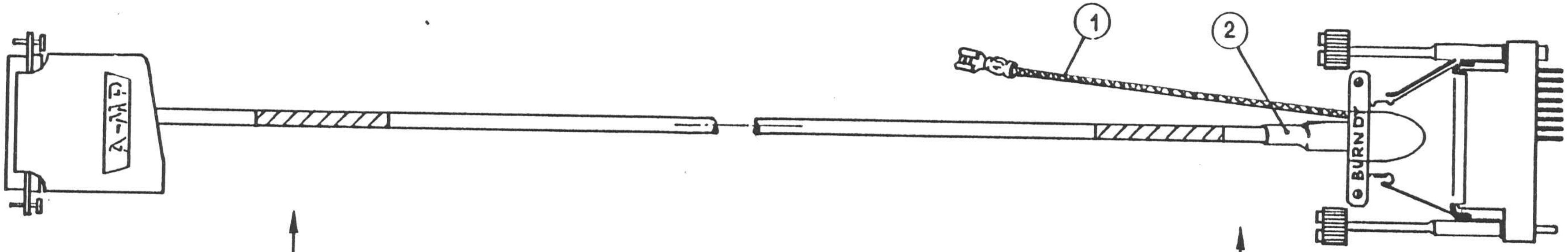
325309 XX
2215 N-10 8PIN CU-LO

Corrected	Date	Sign

CABL. EXT 2215 N-10 8 PIN CU-LO	Drawn MJM Date 6.6.83. Appr
NORSK DATA A.S Oslo, Norway	Replacement for 325309

END A
2215

END B
ND 10 42 PIN CU-LO



LABLE

325310 XX
2215 N-10 42 PIN CU-LO

LABLE

3253 XX
2215 N-10 42 PIN CU-LO

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 2 PAIRS.

CONNECTORS TYPE: END A 25 S

END B 42 P BURNDY

PRODUCTION TIPS:

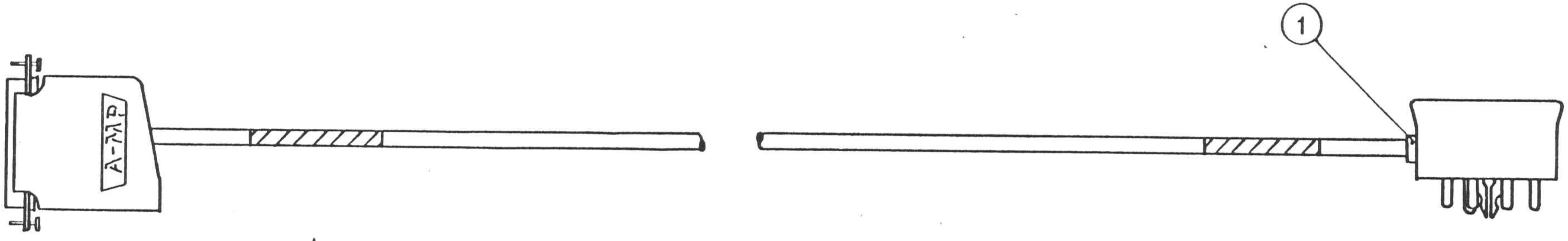
1. SHIELDED CABLE 15 CM
2. LINING

Corrected	Date	Sign

CABL. EXT 2215 N - 10 42 PIN CU - LO	Drawn MJM Date 6.6.83 Appr
NORSK DATA A.S Oslo, Norway	Replacement for 3253.10

END A
2215

END B
TELEX PLUG CU-LO



LABLE

325311 XX
2215 TELEX PLUG CU-LO

LABLE

325311 XX
2215 TELEX PLUG CU-LO

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS

CABLE TYPE NEK HK-S-K 2 PAIRS

CONNECTORS TYPE. END A 25S

END B TELEX

PRODUCTION TIPS

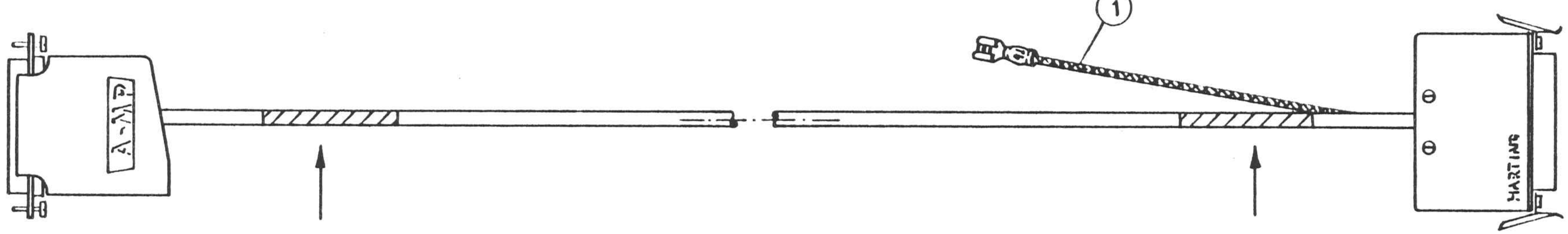
1 TINING

Corrected	Date	Sign

CABL. EXT 2215 TELEX PLUG CU-LO	Drawn MJM Date 7.6.83. Appr
NORSK DATA A.S Oslo, Norway	Replacement for 325311

END A
2115

END B
ND 100 CU-LO



LABEL

3253 1 xx
2115 ND100 CU-LO

LABEL

3253 1 xx
2115 ND100 CU-LO

XX INDICATES LENGTH IN METERS.

ADHERE LABEL 1-2 DM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 2 PAIRS

CONNECTORS TYPE: END A 25 P

END B 25 P

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

Corrected	Date	Sign

CABL. EXT.

2115 ND 100 CU-LO

Drawn MjM
Date 7.6.83
Contr.

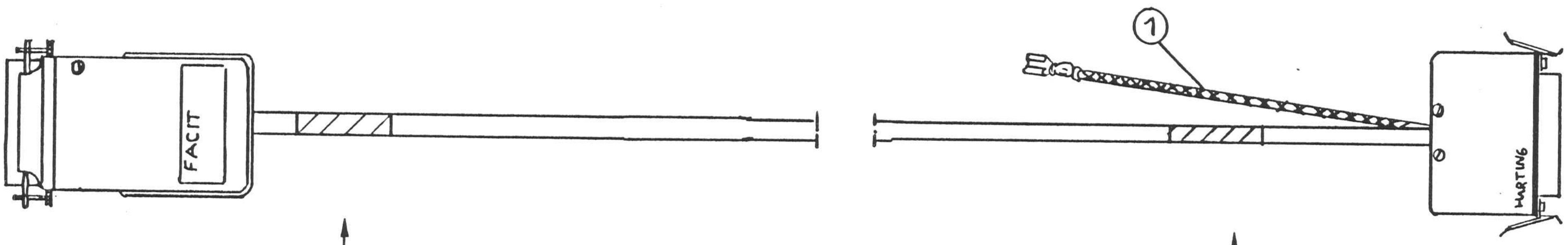
NORSK DATA A.S
Oslo, Norway

Replacement for

325_ 12

END A
FACIT 4420

END B
N100 CU. LO.



LABLE

325315 XX
FACIT4420 N100CU.LO

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE NEK-S-K 2 PAIRS

CONNECTORS TYPE: END A ADAPTER

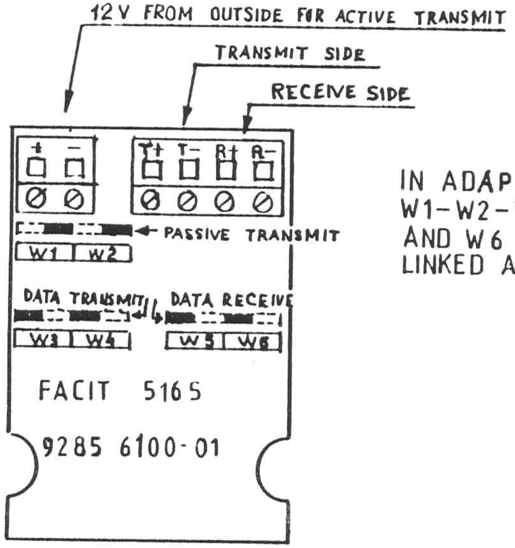
END B 25P

PRODUCTION TIPS

1 SHIELD CABLE 15CM

LABLE

325315 XX
FACIT4420 N100 CU LO



IN ADAPTER, JUMPER
W1-W2-W3-W4-W5
AND W6 MUST BE
LINKED AS SHOWN.

Corrected	Date	Sign

CABL. EXT
FACIT 4420 N 100 CU.LO.

Drawn MA
Date 6.4.83
Appr

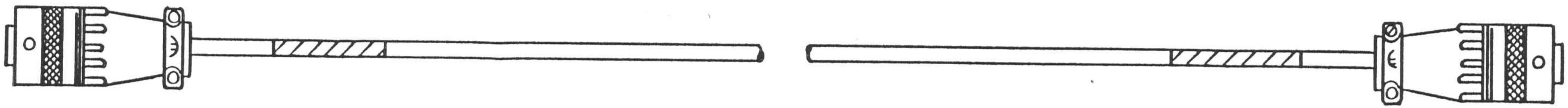
NORSK DATA A.S
Oslo, Norway

Replacement for

325315

END A
TERM . BUFF.

END B
N 10 8-8P CL



LABLE

325322 XX
TERM. BUFF. N 10 8-8P CL

LABLE

325322 XX
TERM. BUFF. N 10 8-8P CL

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE : NEK-S-K 2 PAIRS

CONNECTORS TYPE : END A 8 PIN BURNDY

END B 8 PIN BURNDY

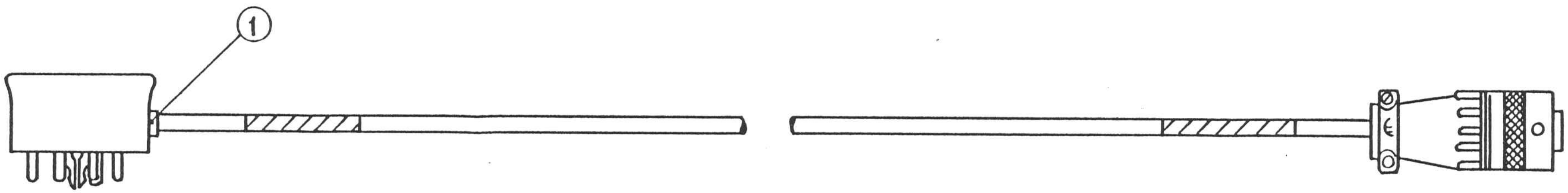
PRODUCTION TIPS :

Correction	Date	Sign

CABL. EXT TERM. BUFF. N 10 8-8 P CL	Drawn MJM Date 22.6.93. Appr.
NORSK DATA A.S Oslo, Norway	Replacement for 3253_2

END A
N 10 TELE

END B
8P CL



LABLE

325323 XX
N 10 TELE 8P CL

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK-S-K 2 PAIRS

CONNECTORS TYPE: END A TELEX

END B 8 PIN BURNDY

PRODUCTION TIPS:

1 TINING

LABLE

325323 XX
N 10 TELE 8 P CL

Corrected	Date	Sign

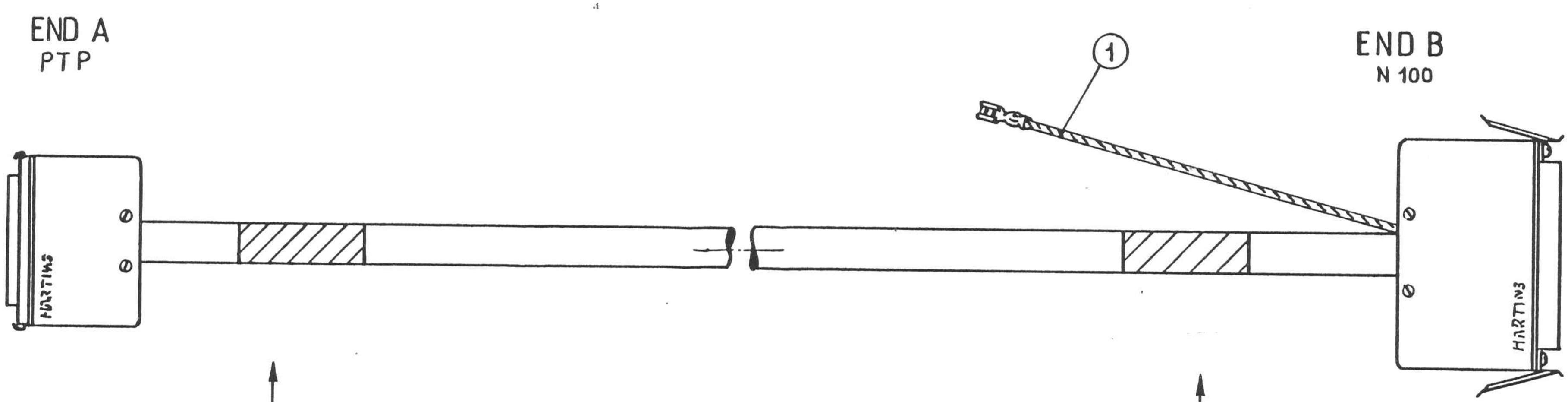
CABL. EXT
N 10 TELE 8 PIN CL

Drawn MJM
Date 7.6.83.
Appr.

NORSK DATA A.S
Oslo, Norway

Replacement for

325323



LABLE

325330 XX
PTP N 100

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK HK-S-K 12 PAIRS

CONNECTORS TYPE: END A 25P

END B 37P

PRODUCTION TIPS:

(1) SHIELDED CABLE 15 CM

LABLE

325330 XX
PTP N 100

Corrected	Date	Sign

CABL. EXT
PTP - N 100

Drawn MJH
Date 23.3.83.
Appr.

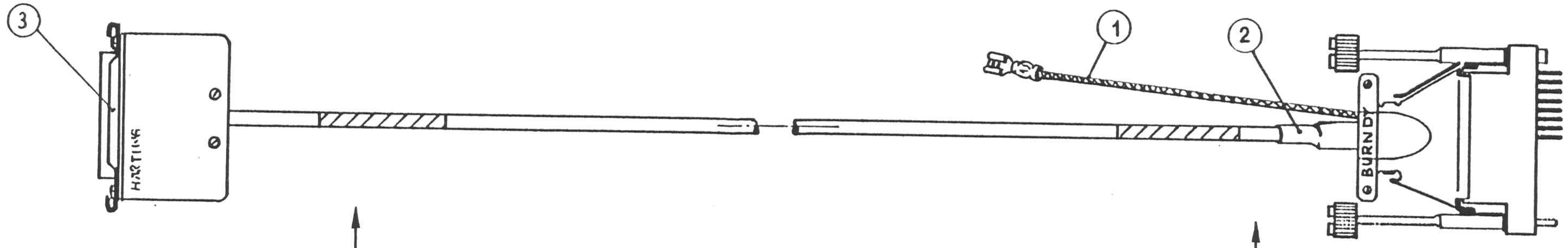
NORSK DATA A.S
Oslo, Norway

Replacement for

325330

END A
PTP

END B
ND 10



LABLE

325331 XX	
PTP	ND 10

LABLE

325331 XX	
PTP	ND 10

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE : NEK. HK-S-K 12 PAIRS.

CONNECTORS TYPE : END A 25 P

END B 42 P BURNDY

PRODUCTION TIPS :

1. SHIELDED CABLE 15 CM
2. TINING
3. CLIP CANON

Corrected	Date	Sign

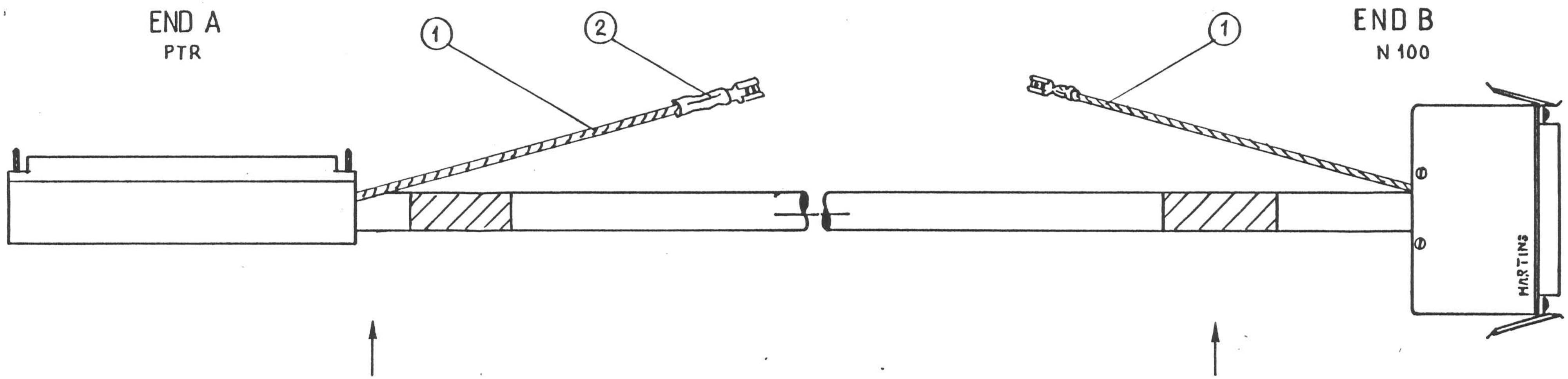
CABL. EXT
PTP - ND 10

Drawn MJM
Date 8.6.83
Appr

NORSK DATA A.S
Oslo, Norway

Replacement for

325331



LABLE

325332 XX
PTR N 100

LABLE

325332 XX
PTR N100

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK HK-S-K 12 PAIRS

CONNECTORS TYPE: END A CONN. DIGITRONICS

END B 37P

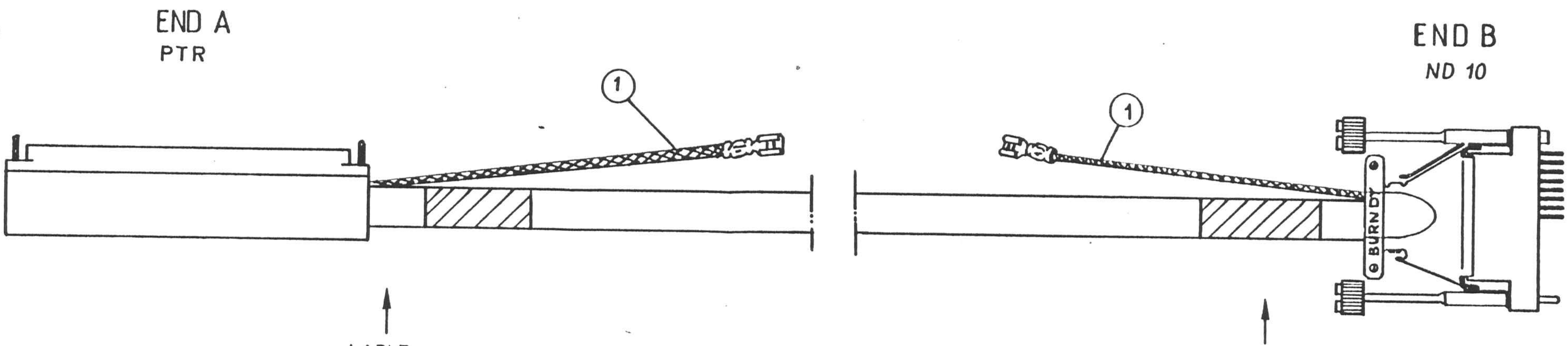
PRODUCTION TIPS:

1 SHIELDED CABLE 15CM

2 SHR. SLEEVE 1/4"

Corrected	Date	Sign

CABL. EXT PTR - N 100	Drawn HH Date 23.3.83. Appr.
NORSK DATA A.S Oslo, Norway	Replacement for 325[illegible]32



325333 xx
PTR ND 10

XX INDICATES LENGTH IN METERS.

325333 xx
PTR ND 10

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 12 PAIRS.

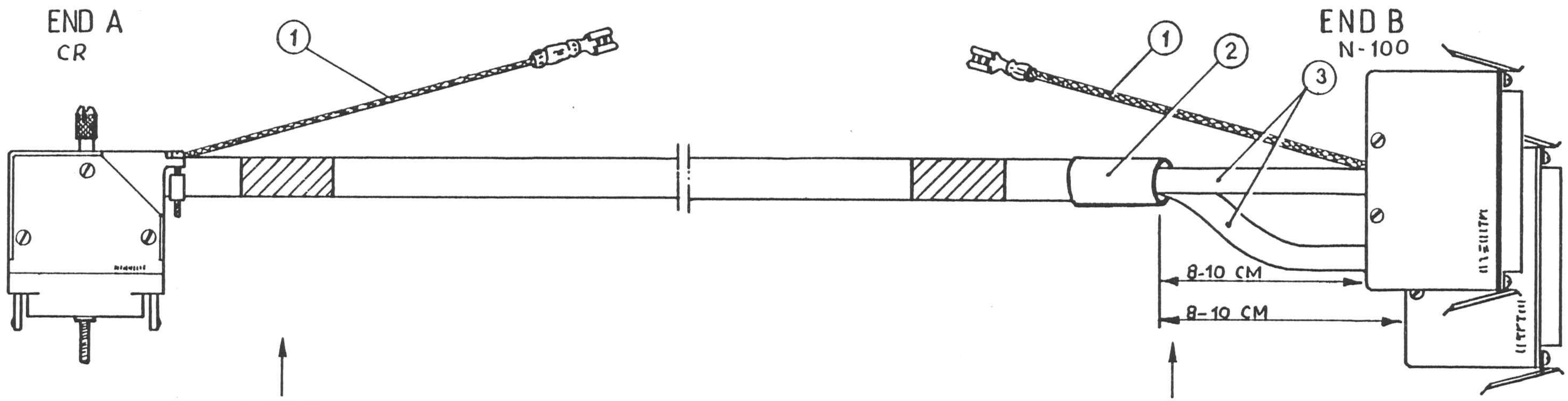
CONNECTORS TYPE: END A CONN. DIGITRONICS

END B 42 P BURNDY

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

Corrected	Date	Sign	CABL. EXT PTR - ND 10	Drawn MJM Date 9.6.83 Appr
			NORSK DATA A.S Oslo, Norway	Replacement for 325333



325334 XX	
CR	N-100

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK-HK-SK 21 PAIRS

CONNECTORS TYPE: END A ELCO 38 P

END B 37 P

PRODUCTION TIPS:

1. SHIELED CABLE 15 CM
2. 1/2" SHR. SLEEVE
3. 8 MM PVC

325334 XX	
CR	N-100

CABL. EXT

CR N-100

Drawn	MJM
Date	9.6.83.
Appr	

NORSK DATA A.S
Oslo, Norway

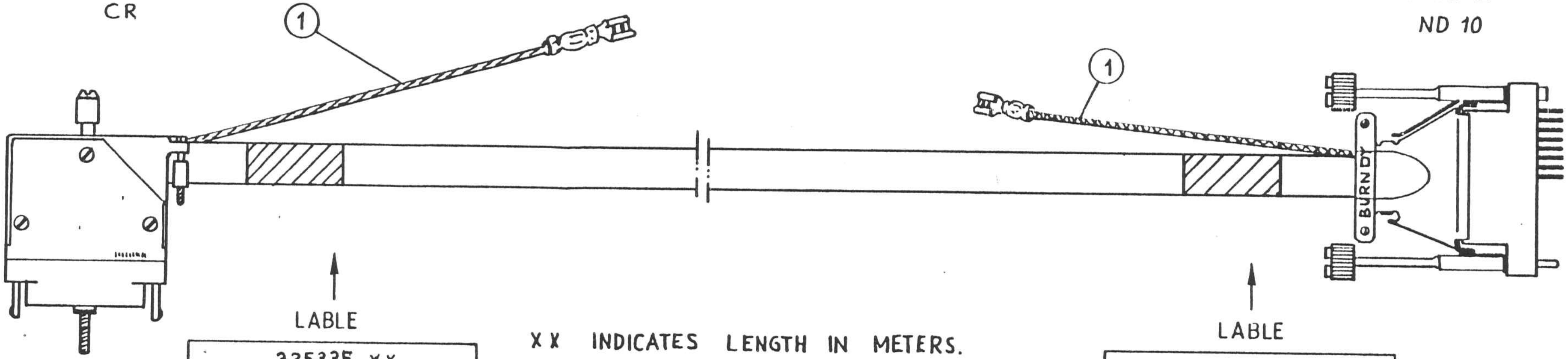
Replacement for

325.34

Corrected	Date	Sign

END A
CR

END B
ND 10



LABLE

325335 xx	
CR	ND 10

LABLE

325335 xx	
CR	ND 10

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE NEK. HK-S-K 12 PAIRS.

CONNECTORS TYPE: END A ELCO 38 P

END B 42 P BURNDY

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

Corrected	Date	Sign

CABL. EXT
CR - ND 10

Drawn MJM
Date 9.6.83
Appr

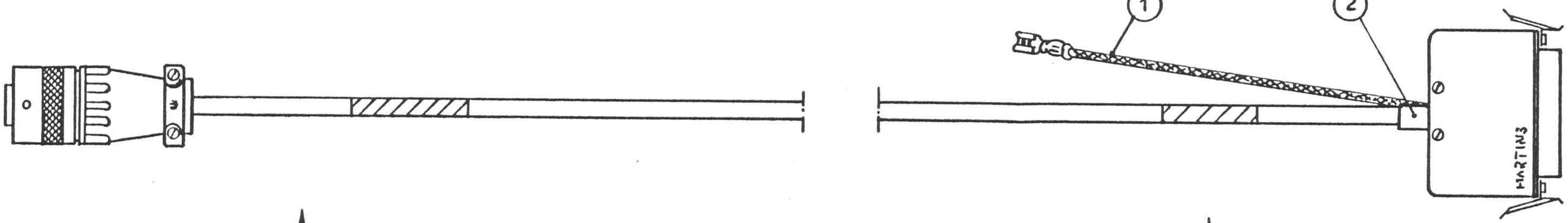
NORSK DATA A.S
Oslo, Norway

Replacement for

325335

END A
T-340

END B
N-100 CU-LO



LABLE

325336 XX	
T-340	N-100 CU-LO

LABLE

325336 XX	
T-340	N-100 CU-LO

XX INDICATES LENGTH IN METERS.

(STANDARD 04, 06, 10,)

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK HK-S-K 2 PAIRS

CONNECTORS TYPE: END A 8 PIN BURNDY

END B 37 P

PRODUCTION TIPS:

1 SHEILD CABLE 15 CM

2 TINING

Co[illegible]d	Date	Sign

CABL. EXT
T- 340 N 100 CU-LO

Drawn MJM
Date 10.6.83.
Appr.

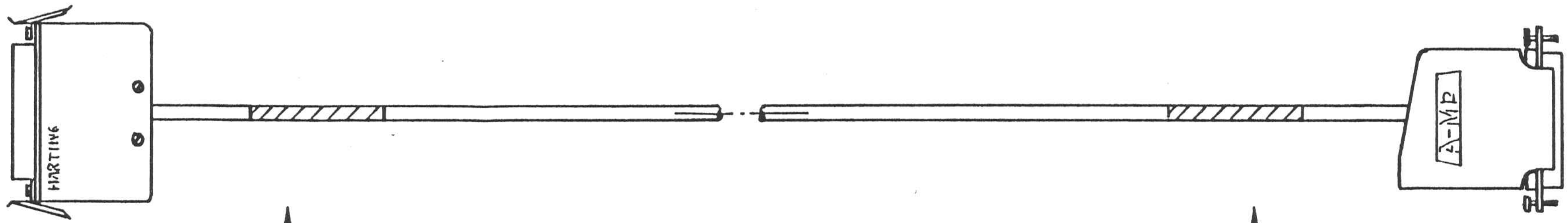
NORSK DATA A.S
Oslo, Norway

Replacement for

325336

END A
T - 340

END B
KM-1D RS 232



LABLE

325337 XX	
T-340	KM-1D RS 232

LABLE

325337 XX	
T-340	KM-1D RS 232

XX INDICATES LENGTH IN METERS.

(STANDARD 04, 06, 10,)

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS

CONNECTORS TYPE: END A 25 P

END B 25 P

PRODUCTION TIPS:

Corrected	Date	Sign.

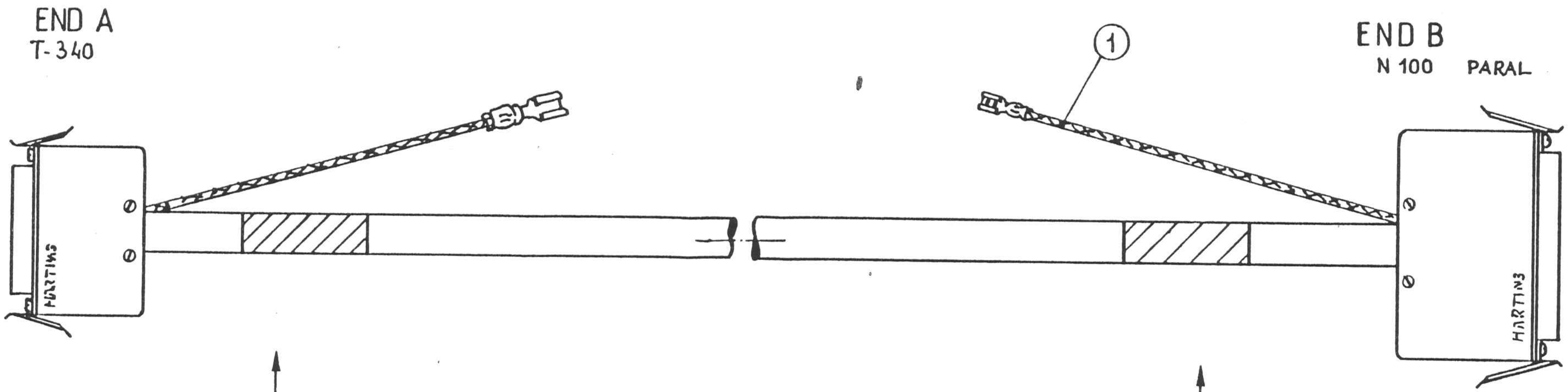
CABL. EXT
T- 340 KM-1D RS 232

Drawn MJH
Date 18.3.83.
Appr.

NORSK DATA A.S
Oslo, Norway

Replacement for

325337



LABLE

325338 XX	
T-340	N 100 PARAL

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE NEK HK-S-K 12 PAIRS

CONNECTORS TYPE: END A 25P

END B 37P

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

LABLE

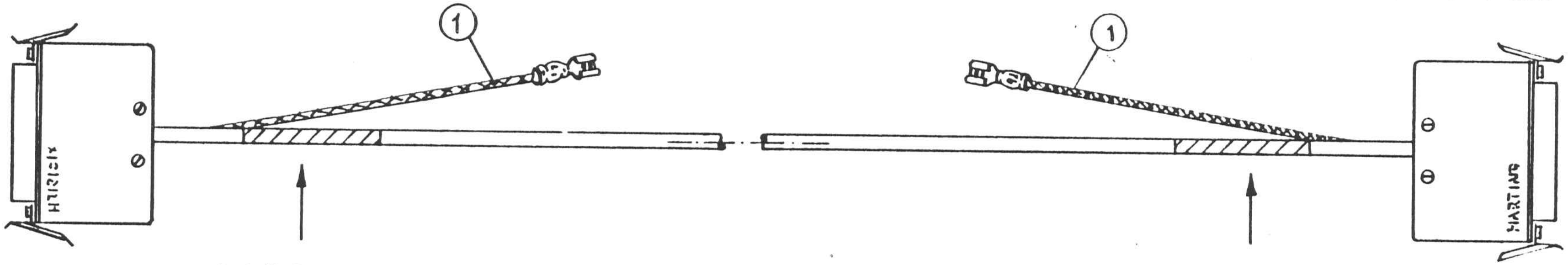
325338 XX	
T-340	N 100 PARAL

Corrected	Date	Sign

CABL. EXT T-340 - N 100 PARAL	Drawn MJH Date 10.6.83. Appr
NORSK DATA A.S Oslo, Norway	Replacement for 325338

END A
T-340

END B
ND 100 RS232



LABEL

325339 xx
T-340 ND100 RS232

LABEL

325339 xx
T-340 ND100 RS232

XX INDICATES LENGTH IN METERS.

ADHERE LABEL 1-2 DM FROM CONNECTORS.

CABLE TYPE: NEK . HK-S-K 2 PAIRS

CONNECTORS TYPE: END A 25 P

END B 25 P

PRODUCTION TIPS:

(1) SHIELDED CABLE 15 CM

Corrected	Date	Sign

CABL. EXT.

T-340 – ND 100 RS 232

Drawn	MJM
Date	10.6.83
Contr.	

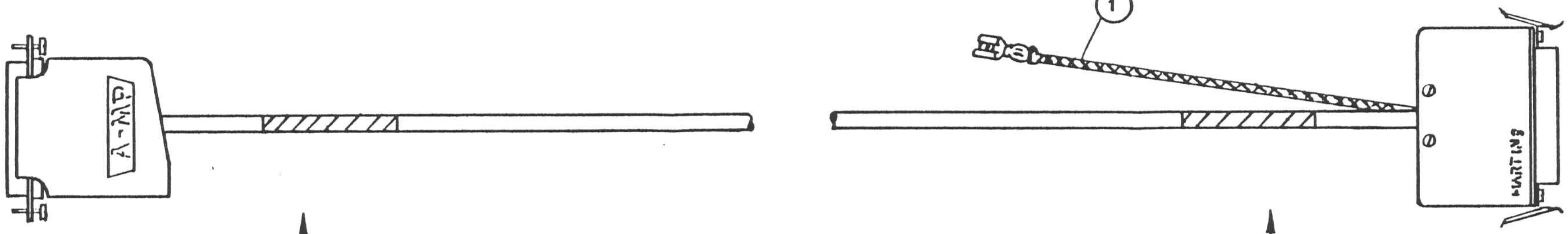
NORSK DATA A.S
Oslo, Norway

Replacement for

325339

END A
1640 / 1650

END B
ND 100 RS 232



LABLE

325340 XX
1640/1650 ND 100 RS 232

LABLE

325340 XX
1640/1650 ND 100 RS232

XX INDICATES LENGH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE:

CONNECTORS TYPE: END A 25 S

END B 25 P

PRODUCTION TIPS: NEK. HK-S-K 4 PAIRS

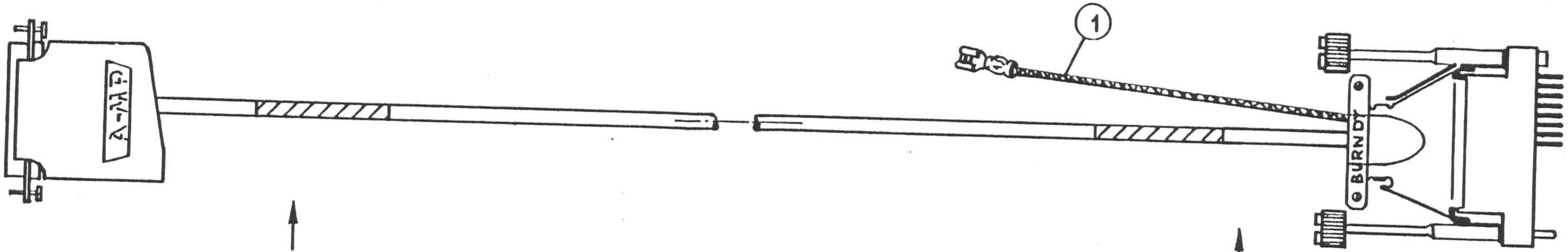
(1) SHIELDED CABLE 15 CM

CABL. EXT 1640/1650 — ND 100 RS 232	Drawn MJH Date 13.6.83. Appr.	
NORSK DATA A.S Oslo, Norway	Replacement for	325[illegible]40

Corrected	Date	Sign

END A
ASYNC MOD

END B
ND 10 ND 702



LABLE

325342 XX
ASYNC MOD N-10 ND 702

LABLE

325342 XX
ASYNC MOD N10 ND 702

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 12 PAIRS.

CONNECTORS TYPE: END A 25 P

END B 42 P BURNDY

PRODUCTION TIPS:

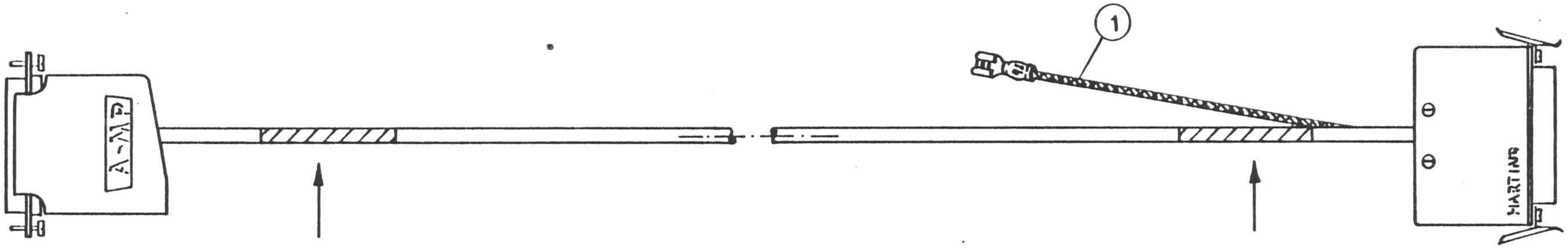
(1) SHIELDED CABLE 15 CM

Corrected	Date	Sign

CABL. EXT. ASYNC MOD – ND 10 ND 702	Drawn MJM Date 21.6.83 Appr.
NORSK DATA A.S Oslo, Norway	Replacement for 325342

END A
ASYNC MOD

END B
ND 100



LABEL

325343 xx
ASYNC MOD ND100

LABEL

325343 xx
ASYNC MOD ND 100

XX INDICATES LENGTH IN METERS.

ADHERE LABEL 1-2 DM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS

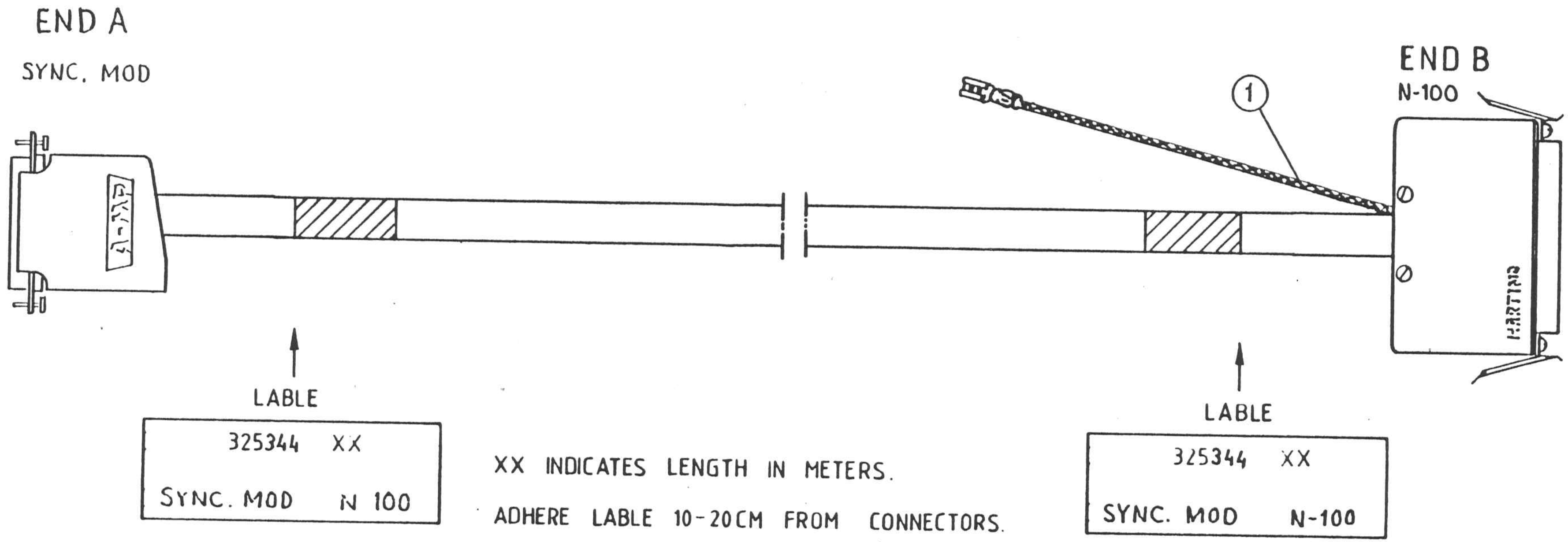
CONNECTORS TYPE: END A 25 P

END B 25 P

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

			CABL. EXT. ASYNC MOD N 100	Drawn MJM Date 21.6.83 Contr.
Con[illegible]d	Date	Sign.	NORSK DATA A.S Oslo, Norway	Replacement for 325[illegible]43



XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 12 PAIRS

CONNECTORS TYPE: END A 25 P

END B 37 P

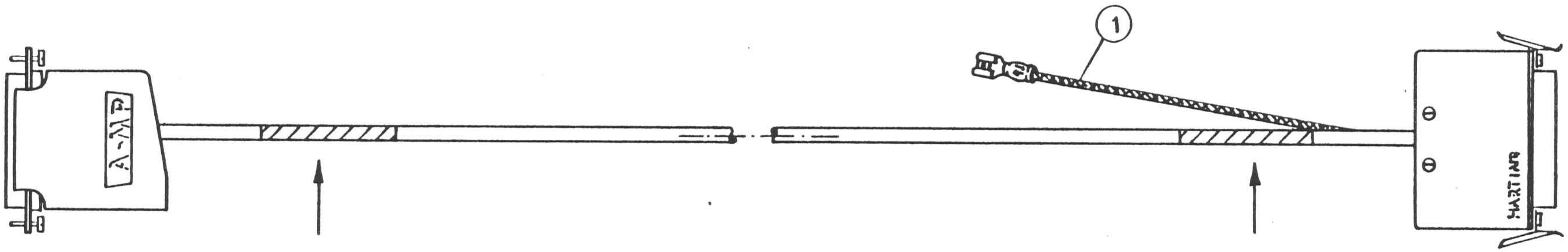
PRODUCTION TIPS:

(1) SHIELDED CABLE 15 CM

CABL. EXT SYNC. MOD. N 100	Drawn MJM Date 22.6.82. Appr	
NORSK DATA A.S Oslo, Norway	Replacement for	325344
Corrected	Date	Sign

END A
KM-1D

END B
ND 100 LOCAL



LABEL

325345 xx
KM-1D N-100 LOCAL

LABEL

325345 XX
KM-1D N100 LOCAL

XX INDICATES LENGTH IN METERS.

ADHERE LABEL 1-2 DM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS

CONNECTORS TYPE: END A 25 P

END B 25 P

PRODUCTION TIPS:

(1) SHIELDED CABLE 15 CM

Corrected	Date	Sign.

CABL. EXT.

KM-1D ND 100 LOCAL

Drawn MJM
Date 22.6.83
Contr.

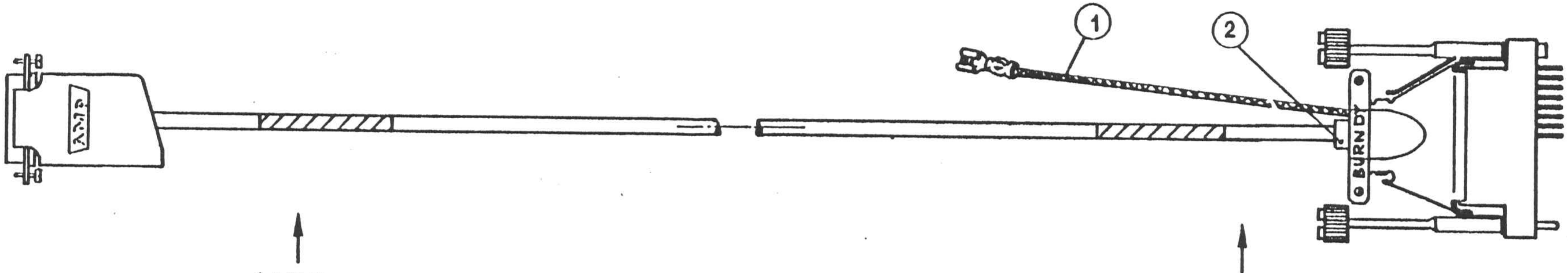
NORSK DATA A.S
Oslo, Norway

Replacement for

325345

END A
X-21

END B
ND 10 HDLC



LABLE

325348 XX
X-21 N 10 HDLC

XX INDICATES LENGTH IN METERS.

LABLE

325348 XX
X-21 N 10 HDLC

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 6 PAIRS.

CONNECTORS TYPE: END A 15 P

END B 42 P BURNDY

PRODUCTION TIPS:

(1) SHIELDED CABLE 15 CM

(2) TINNING

Corrected	Date	Sign.

CABL. EXT
X - 21 N10 HDLC

Drawn MJM
Date 22.6.83
Appr.

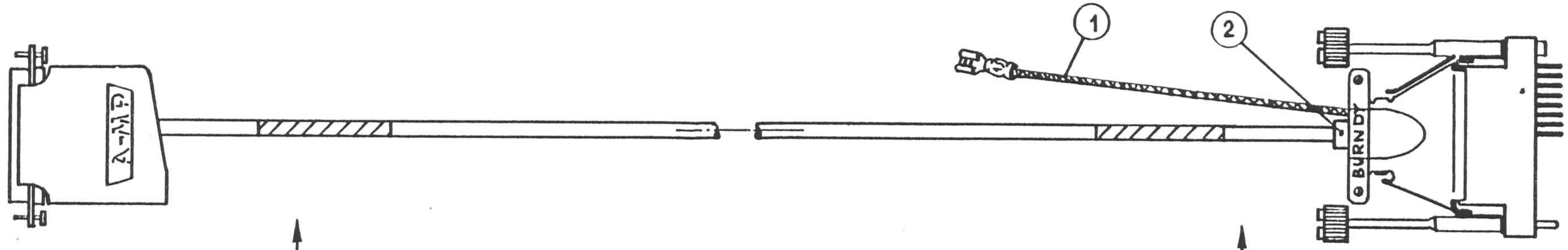
NORSK DATA A.S
Oslo, Norway

Replacement for

325348

END A
KM-1D

END B
ND 10 ND 711



LABLE

325349 XX
KM-1D N10 ND 711

LABLE

325349 XX
KM-1D N-10 ND 711

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS.

CONNECTORS TYPE: END A 25 P

END B 42 P BURNDY

PRODUCTION TIPS:

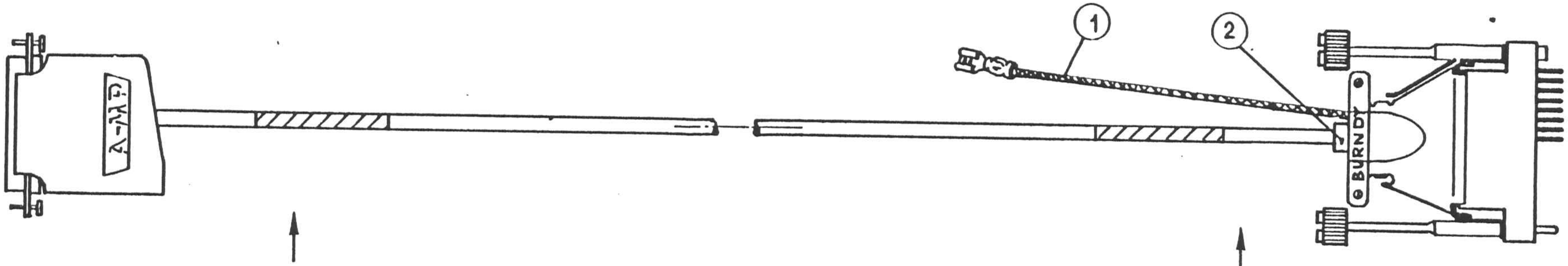
1. SHIELDED CABLE 15 CM
2. TINING

Corrected	Date	Sign

CABL. EXT KM-1D - ND 10 ND 711	Drawn MJM Date 22.6.83 Appr.
NORSK DATA A.S Oslo, Norway	Replacement for 325[illegible]49

END A
KM-1D

END B
ND 10 ND 253



LABLE

325350 XX
KM-1D N10 ND 253

LABLE

325350 XX
KM-1D N 10 ND 253

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS.

CONNECTORS TYPE: END A 25 P

END B 42 P BURNDY

PRODUCTION TIPS:

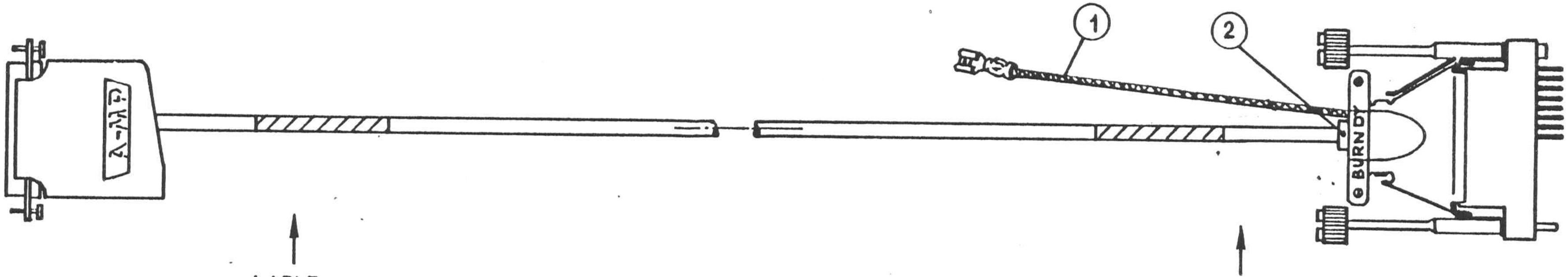
1. SHIELDED CABLE 15 CM
2. TINING

Corrected	Date	Sign

CABL. EXT KM - 1D N 10 ND 253		Drawn MJM Date 22.6.83 Appr
NORSK DATA A.S Oslo, Norway	Replacement for	325350

END A
SYNC. MOD

END B
ND 10 ND 701



LABLE

325351 XX
SYNC. MOD N10 ND 701

XX INDICATES LENGTH IN METERS.

LABLE

325351 XX
SYNC. MOD. N 10 ND 701

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 12 PAIRS.

CONNECTORS TYPE: END A 25 P

END B 42 P BURNDY

PRODUCTION TIPS:

1. SHIELDED CABLE 15 CM
2. TINING

Corr...ed	Date	Sign.

CABL. EXT
SYNC. MOD N 10 ND 701

Drawn MJM
Date 22.6.83
Appr.

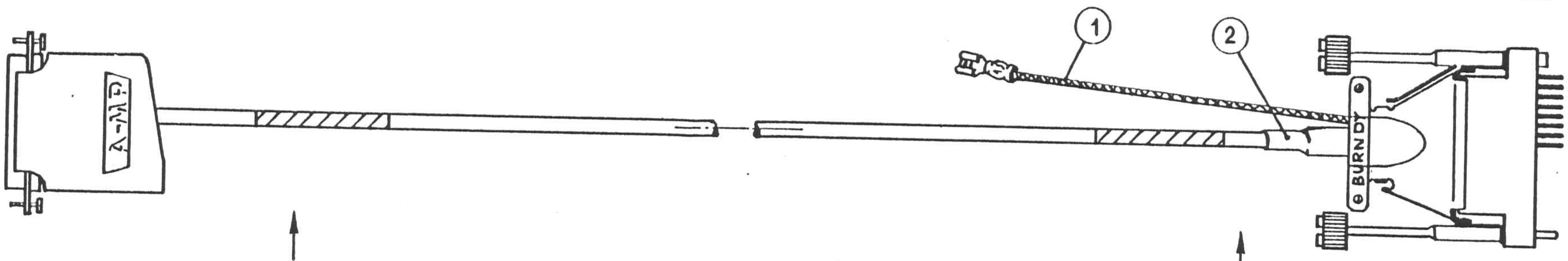
NORSK DATA A.S
Oslo, Norway

Replacement for

325351

END A
MODEM

END B
ND 10 HDLC



LABLE

325352 XX
MODEM *N-10 HDLC*

XX INDICATES LENGTH IN METERS.

LABLE

325352 XX
MODEM *N-10 HDLC*

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: *NEK. HK-S-K 12 PAIRS.*

CONNECTORS TYPE: END A *25 P*

END B *42 P BURNDY*

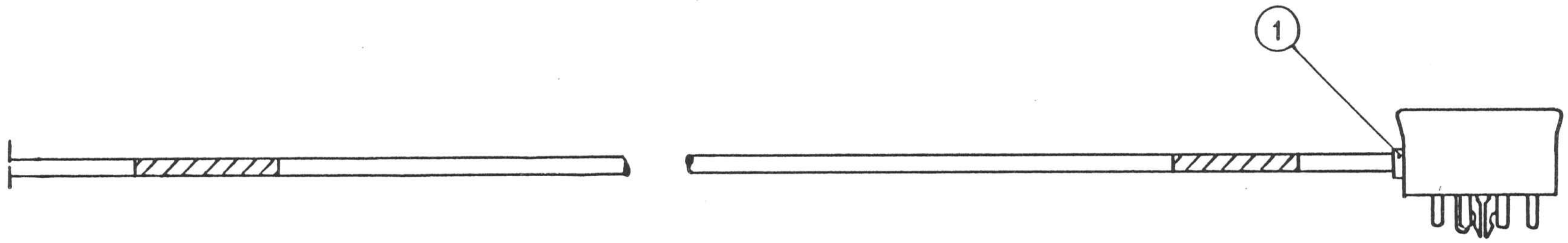
PRODUCTION TIPS:

1. *SHIELDED CABLE 15 CM*
2. *SHR. SLEEVE 1/2"*

			CABL. EXT MODEM ND 10 HDLC	Drawn *MJM* Date *20. 5. 83* Appr
Corrected	Date	Sign	NORSK DATA A.S Oslo, Norway	Replacement for 325352

END A
KM-1D

END B
TELEX PLUG-OU-LO



LABLE

325353 XX
KM-1D TELEX PLUG-0

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM. FROM CONNECTORS.

CABLE TYPE: NEK HK-S-K 2 PAIRS

CONNECTORS TYPE: END A OPEN

END B TELEX

PRODUCTION TIPS:

(1) TINING

LABLE

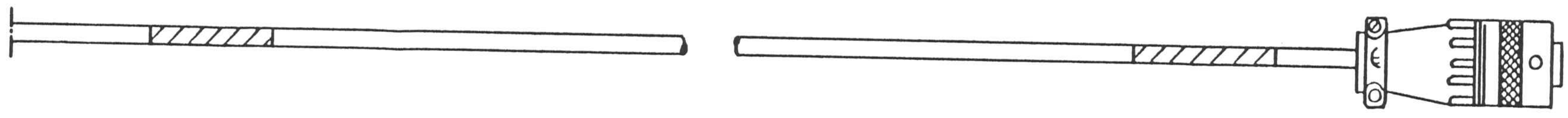
325353 XX
KM-1D TELEX PLUG-0

Corrected	Date	Sign

CABL. EXT KM-1D TELEX PLUG-0	Drawn MJM Date 23.6.83. Appr
NORSK DATA A.S Oslo, Norway	Replacement for 325353

END A
KM-1D

END B
8 PINS PLUG-0



LABLE

325354 XX
KM-1D 8PINS PLUG-0

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE NEK-S-K 2 PAIRS

CONNECTORS TYPE: END A OPEN

END B 8 PIN BURNDY

PRODUCTION TIPS:

LABLE

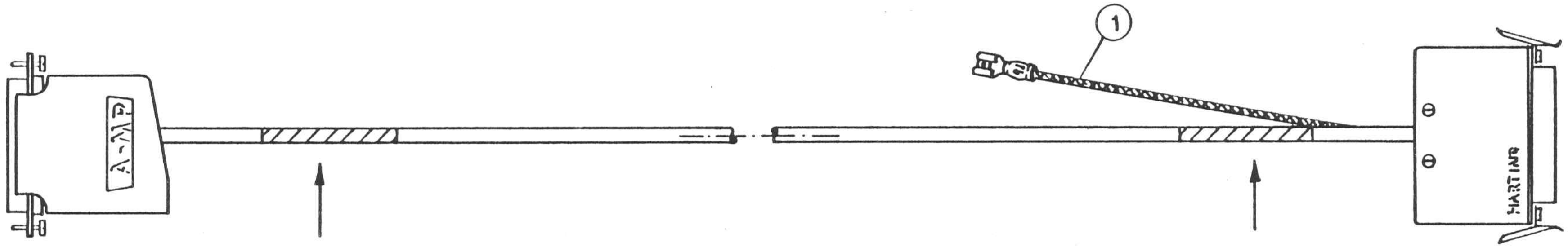
325354 XX
KM-1D 8PINS PLUG-0

Corrected	Date	Sign

CABL. EXT KM - 1D 8 - PINS PLUG - 0	Drawn MjM Date 23.6.93. Appr	
NORSK DATA A.S Oslo, Norway	Replacement for	325354

END A
EPSON-80

END B
ND 100



LABEL

325355 xx	
EPSON-80	N-100

XX INDICATES LENGTH IN METERS.

LABEL

325355 xx	
EPSON-80	N-100

ADHERE LABEL 1-2 DM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS

CONNECTORS TYPE: END A 25 P

END B 25 P

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

Corrected	Date	Sign

CABL. EXT.

EPSON - 80 N 100

Drawn MJM
Date 23.6.83
Contr.

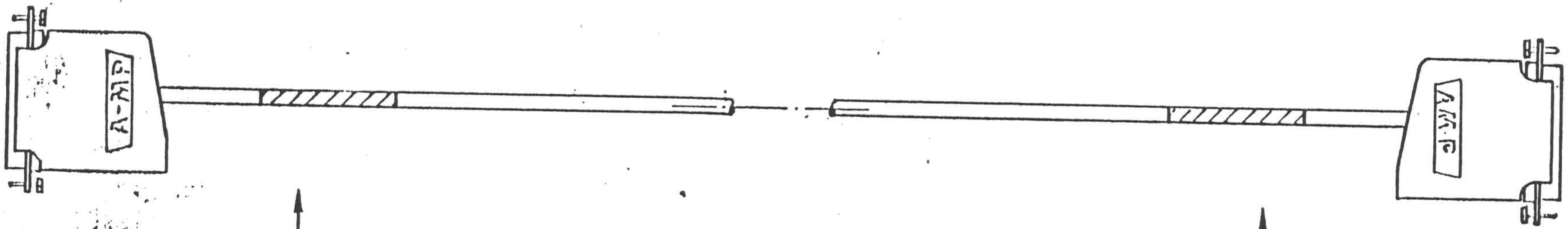
NORSK DATA A.S
Oslo, Norway

Replacement for

325 55

END A
EPSON-80

END B
TDV 2215



LABLE

325356 XX
EPSON-80 TDV 2215

XX INDICATES LENGTH IN METERS.

LABLE

325356 XX
EPSON-80 TDV 2215

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS

CONNECTORS TYPE: END A 25 P

END B 25 S

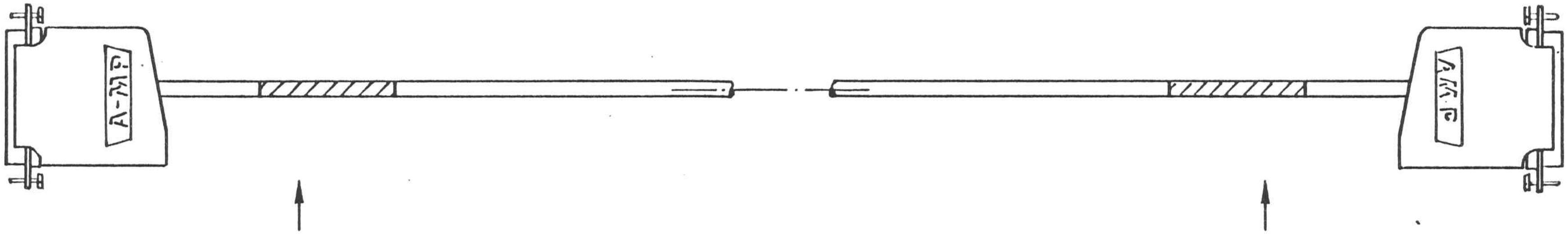
PRODUCTION TIPS:

Corrected	Date	Sign.

CABL. EXT EPSON - 80 TDV 2215	Drawn MJM Date 23.6.83. Appr.
NORSK DATA A.S Oslo, Norway	Replacement for 325356

END A
EPSON-80

END B
KM-1D



LABLE

325357 XX
EPSON-80 KM-1D

LABLE

325357 XX
EPSON-80 KM-1D

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS

CONNECTORS TYPE: END A 25 P

END B 25 P

PRODUCTION TIPS:

Corr.	Date	Sign

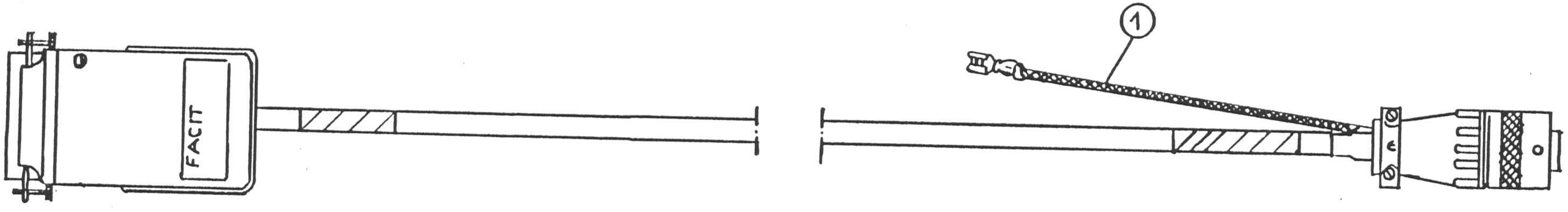
CABL. EXT EPSON-80 KM-1D	Drawn MJM Date 23.6.83. Appr
NORSK DATA A.S Oslo, Norway	Replacement for 325[illegible]7

END A

FACIT

END B

N10 8P CU.LO.



LABLE

325359 XX
FACIT N10 8PIN CU.LO.

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE NEK-S-K 2 PAIRS

CONNECTORS TYPE: END A ADAPTER

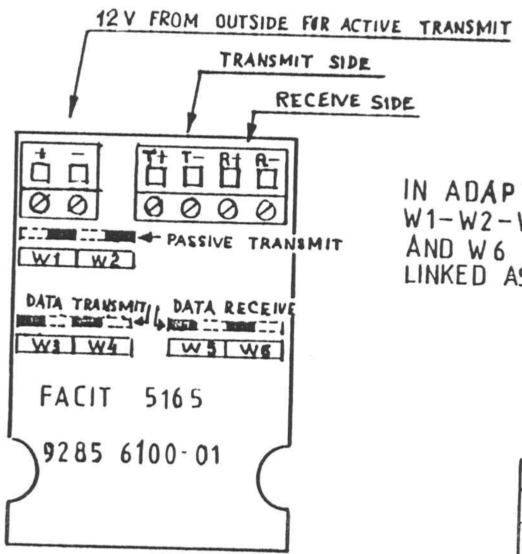
END B 8 PIN BURNDY

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

LABLE

325359 XX
FACIT N 10 8 PIN CU.LO.



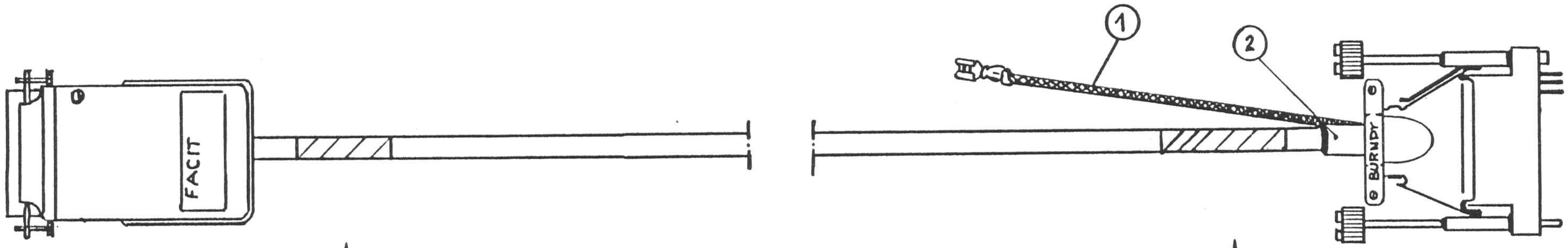
IN ADAPTER, JUMPER
W1-W2-W3-W4-W5
AND W6 MUST BE
LINKED AS SHOWN.

Corrected	Date	Sign

CABL. EXT FACIT N10 8 PIN CU L O	Drawn MA Date 6. 4. 83 Appr
NORSK DATA A.S Oslo, Norway	Replacement for 325359

END A
FACIT N-10

END B
42 PIN CU-LO



LABLE

325360 XX
FACIT N-10 42 PIN CU-LO

LABLE

325360 XX
FACIT N-10 42 PIN CU-LO

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

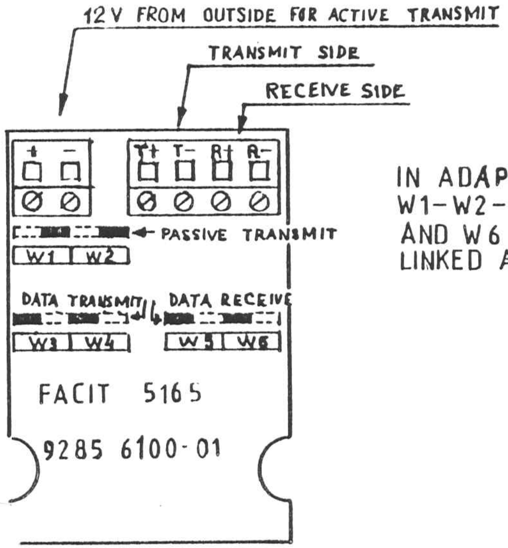
CABLE TYPE NEK-S-K 2 PAIRS

CONNECTORS TYPE: END A ADAPTER

END B 42 PIN BURNDY

PRODUCTION TIPS

1. SHIELDED CABLE 15 CM
2. SHR. SLEEVE 1/2"

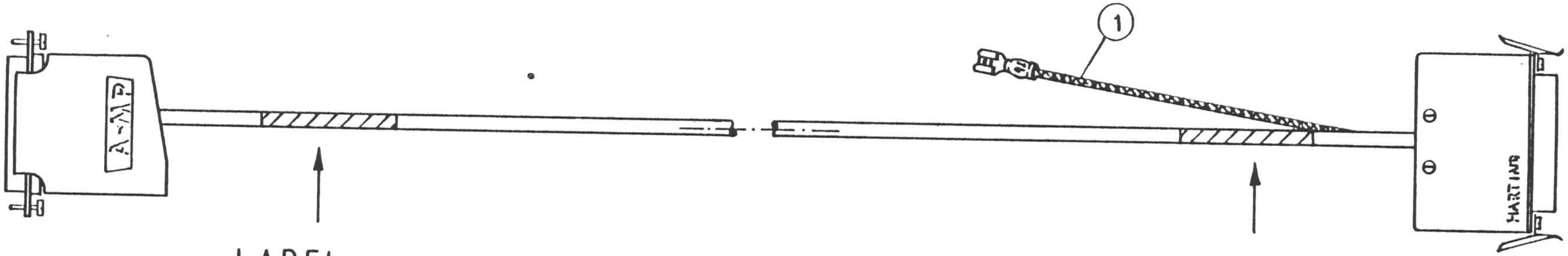


IN ADAPTER, JUMPER
W1-W2-W3-W4-W5
AND W6 MUST BE
LINKED AS SHOWN.

CABL. EXT FACIT N-10 42 PIN CU-LO		Drawn MJM Date 20.5.83 Appr
Corrected	Date	Sign
NORSK DATA A.S Oslo, Norway	Replacement for	325[illegible]0

END A
TALLY 1612

END B
N 100 RS 232



LABEL

325367 xx
TALLY 1612 N 100

LABEL

325367 xx
TALLY 1612 N 100

XX INDICATES LENGTH IN METERS.

ADHERE LABEL 1-2 DM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS

CONNECTORS TYPE: END A 25 P

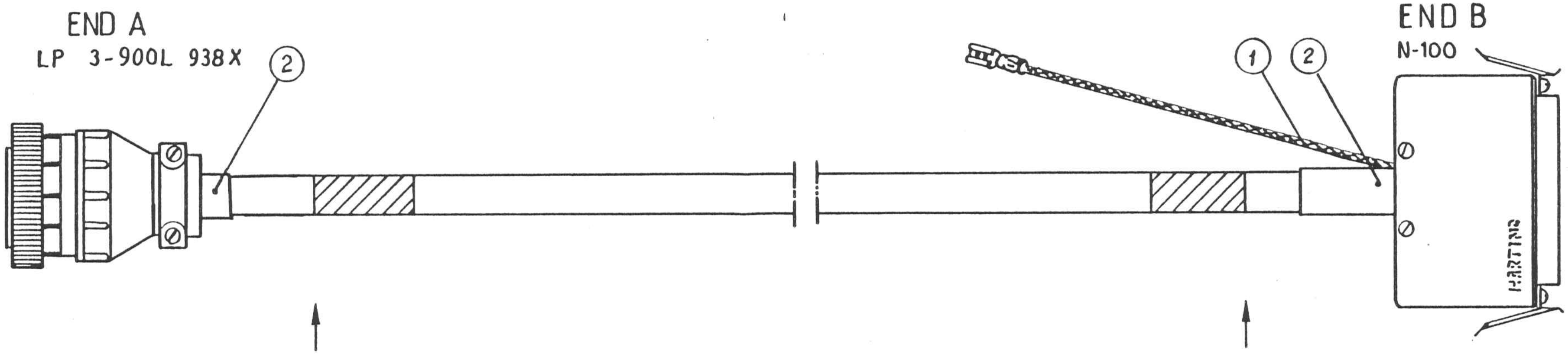
END B 25 P

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

Corrected	Date	Sign

CABL. EXT. TALLY 1612 N 100 RS 232	Drawn MJM Date 24.6.83 Contr.
NORSK DATA A.S Oslo, Norway	Replacement for 325367



LABLE
325369 XX
LP 3-900L 938X N100

LABLE
325369 XX
LP 3-900L 938X N100

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS

CABLE TYPE NEK HK S-K 21 PAIRS

CONNECTORS TYPE END A 37 P AMP

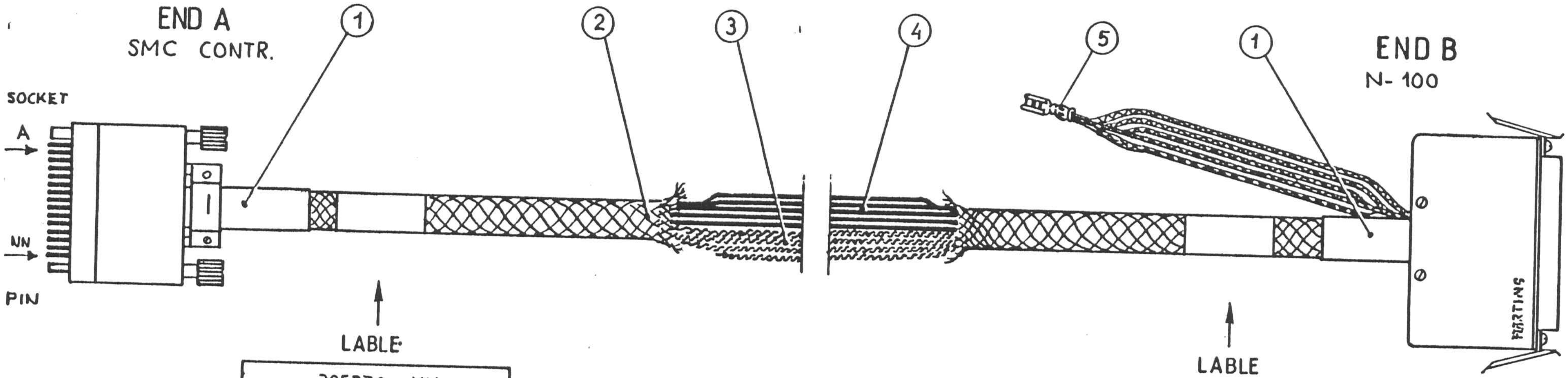
END B 37 P

PRODUCTION TIPS

1 SHIELDED CABLE 15 CM

2 TINING

		CABL. EXT LP 3-900L 938X N 100	Drawn MJM Date 27.6.83. Appr	
Correct.	Date	Sign.	NORSK DATA A.S Oslo Norway	Replacement for 3253 9



LABLE

325370 XX
SMC CONTR. N-100

LABLE

325370 XX
SMC CONTR. N.100

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: PRODUCED BY ND.

CONNECTORS TYPE: END A AMP 200838-2

END B 37 P

PRODUCTION TIPS:

1. SHR. SLEEVE 3/4
2. CABLE JACK FLEXIBLE 16 MM
3. WIRE 2 0,14 YELLOW / BLACK
4. CABLE TWINAX WITH SHIELD
5. SHIELDED CABLE 10 CM

Corrected	Date	Sign.

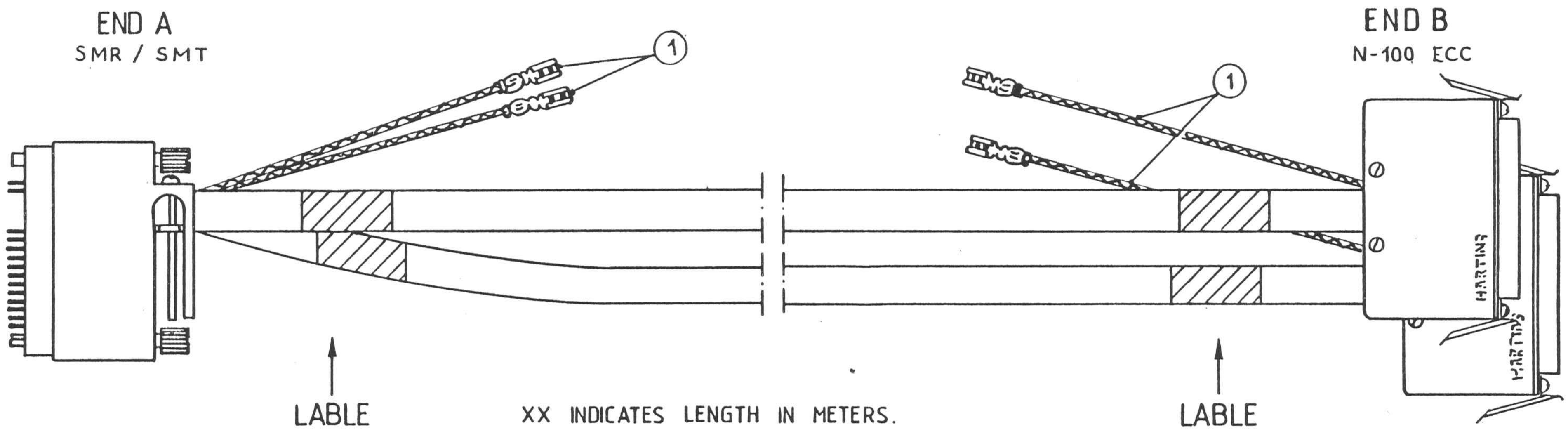
CABL. EXT
SMC CONTR. N-100

Drawn	MJM
Date	14.2.83.
Appr.	

NORSK DATA A.S
Oslo, Norway

Replacement for

325370



325371 XX
SMR /SMT N-100 ECC

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK-HK S-K 21 PAIRS

CONNECTORS TYPE: END A 75 P

END B 37 P / 37 P

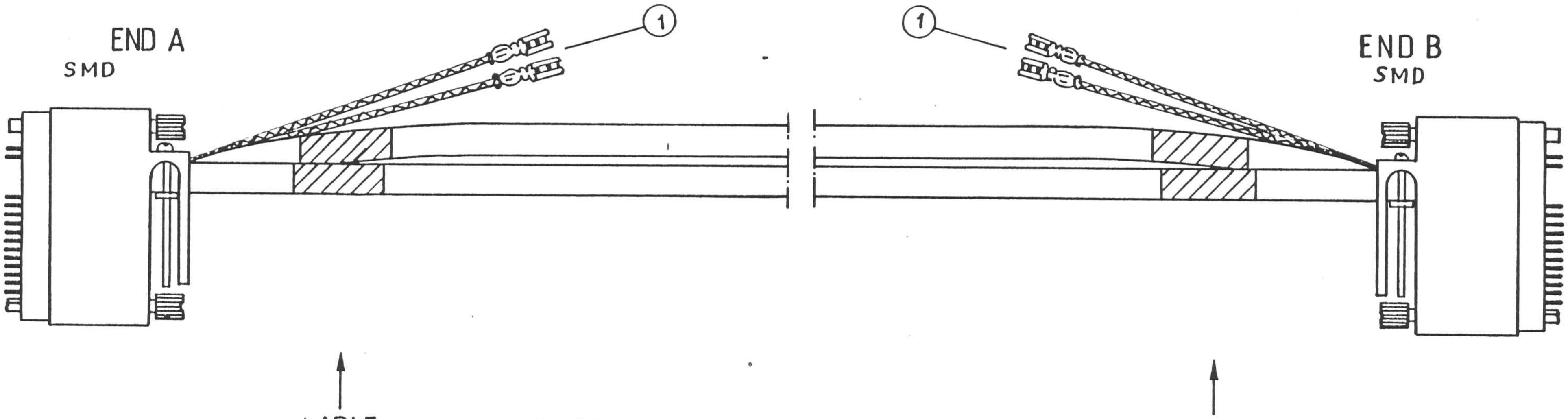
PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

32371 XX
SMR / SMT N-100 ECC

CABL. EXT SMR / SMT N-100 ECC	Drawn MJM Date 15.2.83. Appr.	
NORSK DATA A.S Oslo, Norway	Replacement for	325_71

Corrected	Date	Sign



LABLE

325372 XX

SMD SMD

LABLE

325372 XX

SMD SMD

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE:

CONNECTORS TYPE: END A 75A

END B 75A

PRODUCTION TIPS:

1 SHIELDED CABLE 18 CM

Corrected	Date	Sign

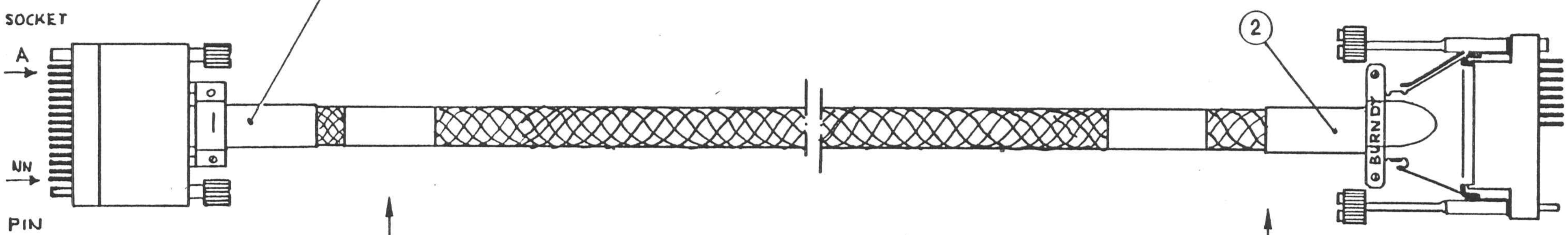
CABL. EXT SMD - SMD DISY CH.	Drawn MJM Date 14.2.83 Appr.
NORSK DATA A.S Oslo, Norway	Replacement for 325372

END A

SMD SNITT

END B

SMC ND 10



LABLE

325373 XX
SMD SNITT SMC N10

LABLE

325373 XX
SMD SNITT SMC N10

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: "SPACIAL MADE"

CONNECTORS TYPE: END A AMP *200838-2*

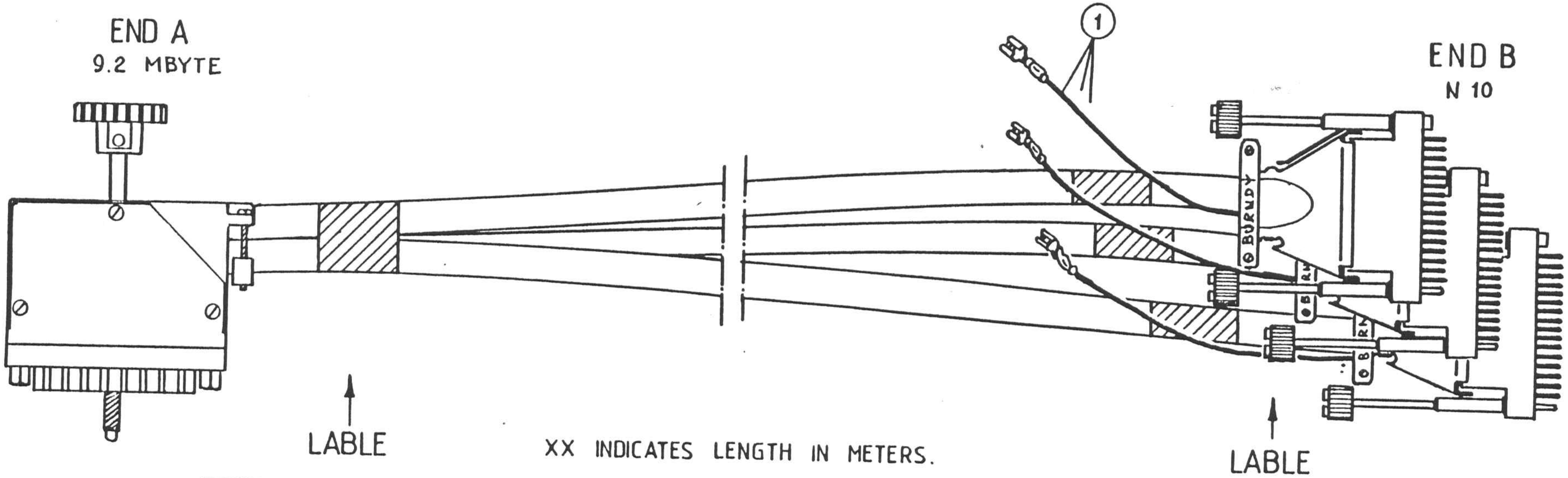
END B *42 P BURNDY*

PRODUCTION TIPS:

2 *SHR. SLEEVE 1/2"*

CABL. EXT SMD SNITT SMC N 10	Drawn MJM Date 27.6.83 Appr.
NORSK DATA A.S Oslo, Norway	Replacement for 325[illegible]73

Corrected	Date	Sign



325374 XX	
9.2 MBYTE	N 10

325374 XX	
9.2 MBYTE	N 10

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK HK-S-K 12/21 PAIRS

CONNECTORS TYPE: END A ELCO 90 S

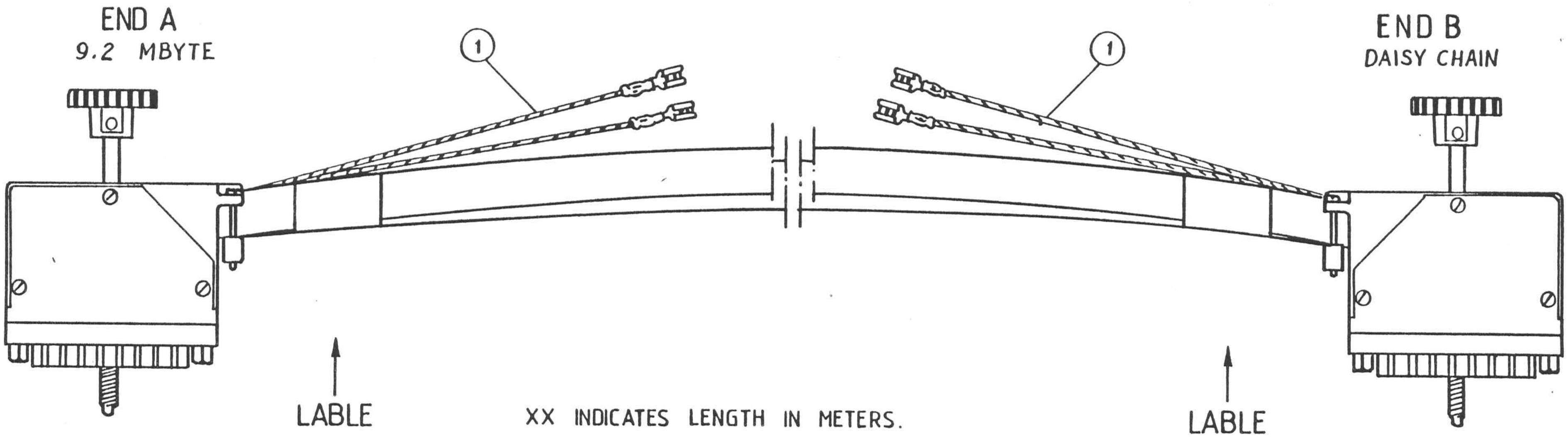
END B 42 P BURNDY

PRODUCTION TIPS:

(1) SHIELDED CABLE 15-20 CM

Corrected	Date	Sign

CABL. EXT 9.2 MBYTE N 10	Drawn MJM Date 27.6.83. Appr
NORSK DATA A.S Oslo, Norway	Replacement for 325374



325375 XX
9.2 MBYTE DAISY CHAIN

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK HK-S-K 21 PAIRS

CONNECTORS TYPE: END A ELCO 90 S

END B ELCO 90 S

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

325375 XX
9,2 MBYTE DAISY CHAIN

Correc.	Date	Sign

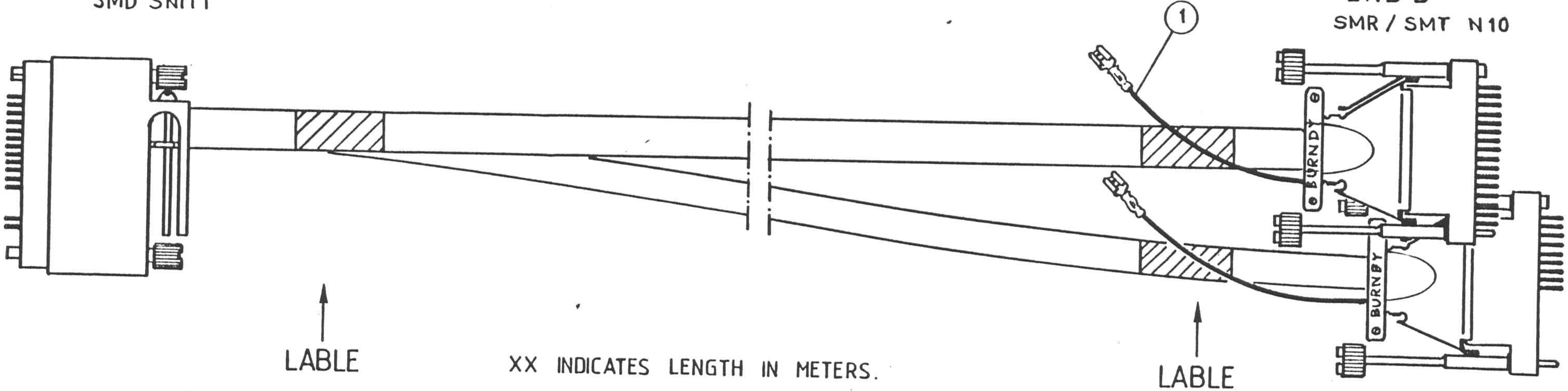
CABL. EXT
9.2 MBYTE DAISY CHAIN

Drawn MJM
Date 28.6.83.
Appr.

NORSK DATA A.S
Oslo, Norway

Replacement for

325375



325376 XX
SMD SNITT SMR/SMT N10

325376 XX
SMD SNITT SMR/SMT N10

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK HK-S-K 12/21 PAIRS

CONNECTORS TYPE: END A 37 P

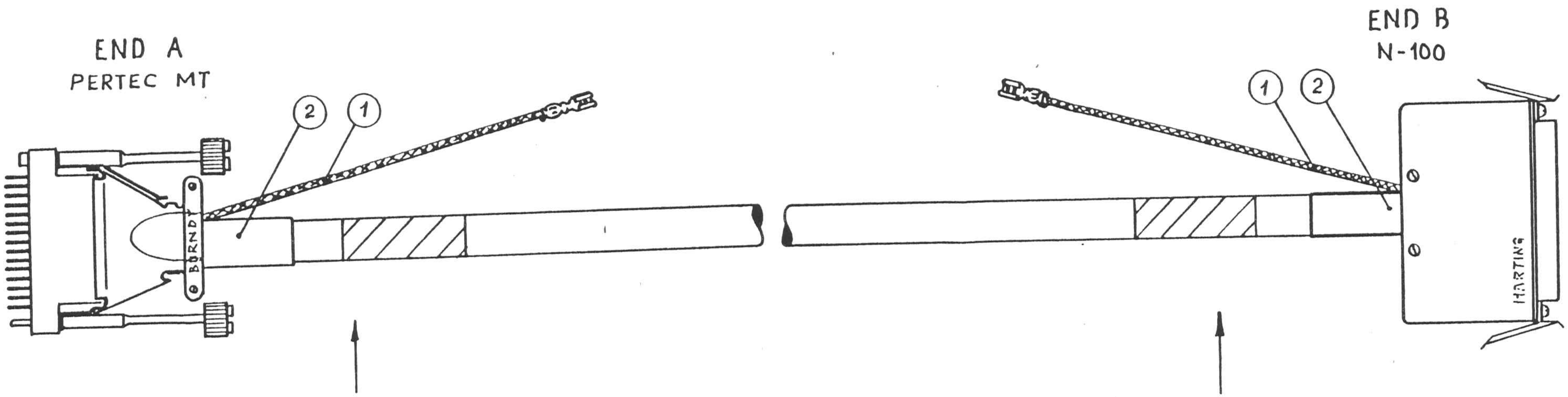
END B 42 P BURNDY

PRODUCTION TIPS:

(1) SHIELDED CABLE 15 CM.

Corrected	Date	Sign

CABL. EXT SMD SNITT SMR / SMT N 10	Drawn MJM Date 28.6.83. Appr.
NORSK DATA A.S Oslo, Norway	Replacement for 325376



LABLE

325380 XX
PERTEC MT N-100

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE

CONNECTORS TYPE END A 42 P

END B 37 P

PRODUCTION TIPS

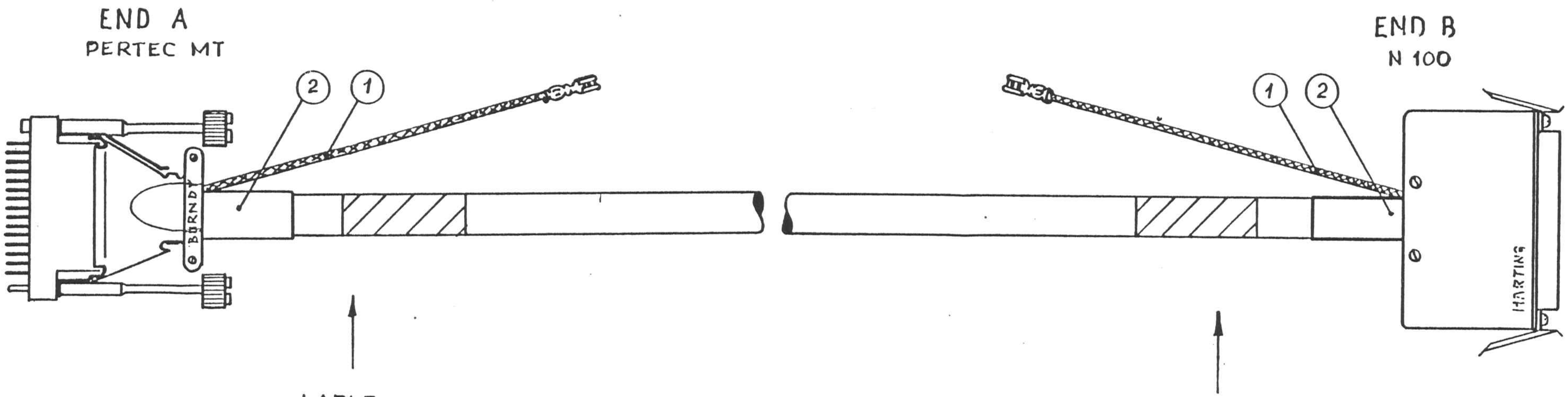
1 SHIELDED CABLE 15 CM

2 SHR. SLEEVE 3/4"

LABLE

325380 XX
PERTEC MT N-100

CABL. EXT PERTEC MT N–100		Drawn MJM
		Date 11.2.83.
		Appr
Corre[illegible]	Date	Sign
NORSK DATA A.S Oslo, Norway	Replacement for	325[illegible]30



LABLE

325381 XX
PERTEC MT N-100

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE:

CONNECTORS TYPE: END A 42 P

END B 37 P

PRODUCTION TIPS:

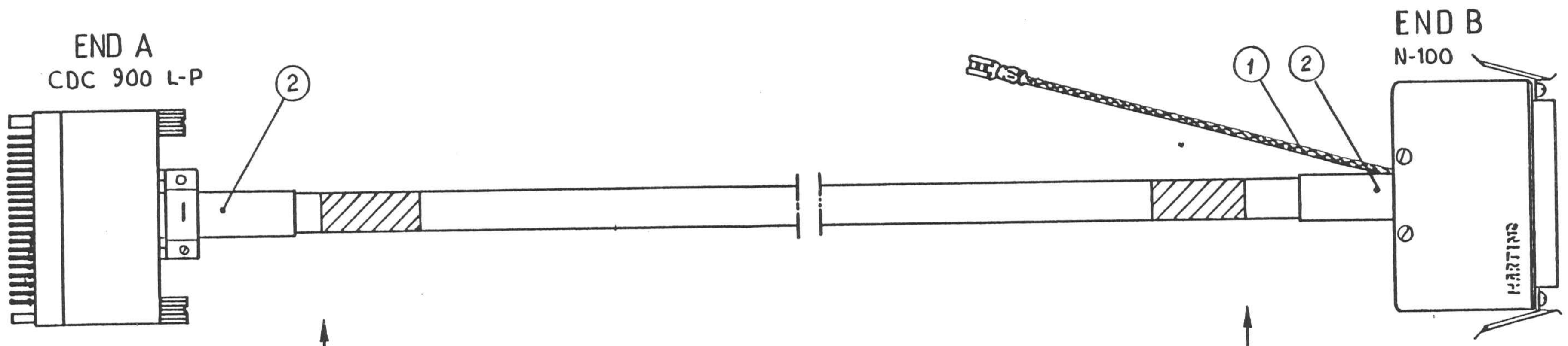
1. SHIELDED CABLE 15 CM
2. SHR. SLEEVE 3/4"

LABLE

325381 XX
PERTEC MT N-100

Corrected	Date	Sign

CABL. EXT PERTEC MT N-100	Drawn MJM Date 11. 2. 83. Appr
NORSK DATA A.S Oslo, Norway	Replacement for 325381



LABLE

325322 XX
CDC 900 L-P N 100

LABLE

325322 XX
CDC 900 L-P N-100

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK HK-S-K 21 PAIRS

CONNECTORS TYPE: END A 50 P

END B 37 P

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

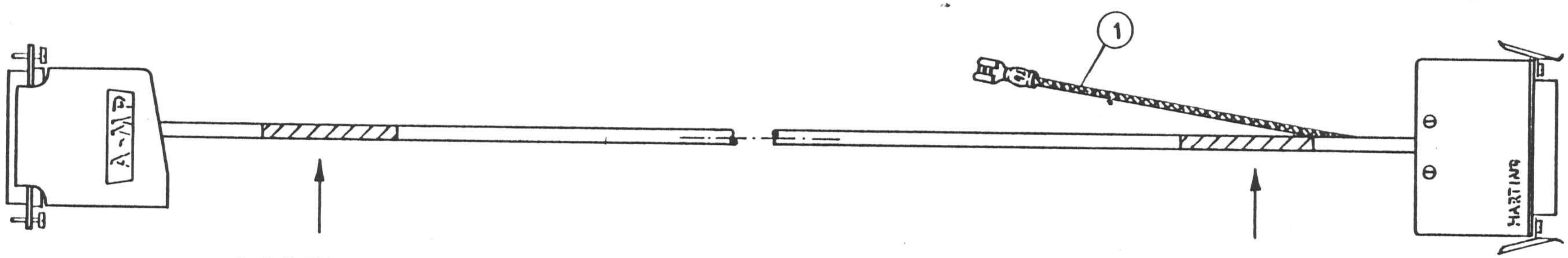
2 1/2" SHR. SLEEVE

Corrected	Date	Sign

CABL. EXT CDC 900 L-P N 100	Drawn MJM Date 11.2.83. Appr
NORSK DATA A.S Oslo, Norway	Replacement for 325322

END A
S.MOD VDCE

END B
N 100 PIOC



LABEL

325386 xx
S. MOD VDCE N100 PIOC

XX INDICATES LENGTH IN METERS.

LABEL

325386 xx
S. MOD VDCE N 100 PIOC

ADHERE LABEL 1-2 DM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 12 PAIRS

CONNECTORS TYPE: END A 25 P

END B 25 P

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

Corrected	Date	Sign.

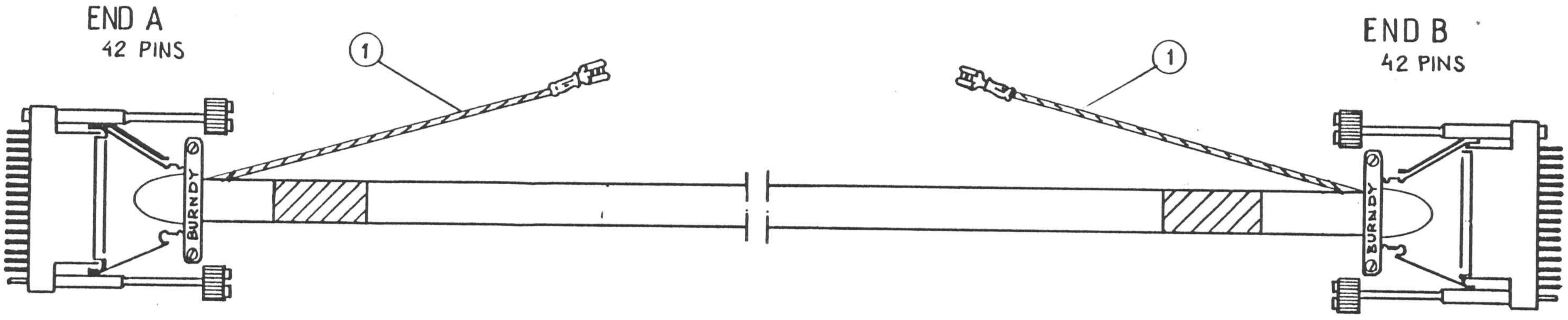
CABL. EXT.
S. MOD. VDCE N100 PIOC

Drawn MJM
Date 22.6.83
Contr.

NORSK DATA A.S
Oslo, Norway

Replacement for

325386



LABLE

325393 XX
21 PAIR 1-1 42 PINS

LABLE

325393 XX
21 PAIR 1-1 42 PINS

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK HK-S-K 21 PAIRS

CONNECTORS TYPE: END A 42 P BURNDY

END B 42 P BURNDY

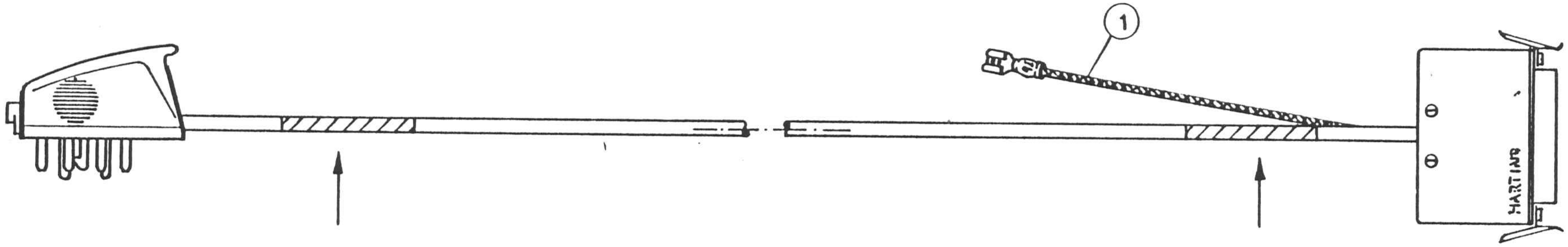
PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

		CABL. EXT 21 PAIR 1-1 42 PINS	Drawn MJM Date 29. 6. 83. Appr.
Correc[illegible]	Date	Sign	NORSK DATA A.S Oslo, Norway	Replacement for 3253[illegible]3

END A
NTB 1-4 PLUG

END B
N 100



LABEL

325398 xx
NTB 1-4 PLUG N 100

LABEL

325398 xx
NTB 1-4 PLUG N 100

XX INDICATES LENGTH IN METERS.

ADHERE LABEL 1-2 DM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 4 PAIRS

CONNECTORS TYPE: END A NTB 1-4 PLUG
END B 25 P

PRODUCTION TIPS:

(1) SHIELDED CABLE 15 CM

Corrected	Date	Sign.

CABL. EXT.

NTB 1-4 PLUG N 100

Drawn MJM
Date 29.6.83
Contr.

NORSK DATA A.S
Oslo, Norway

Replacement for

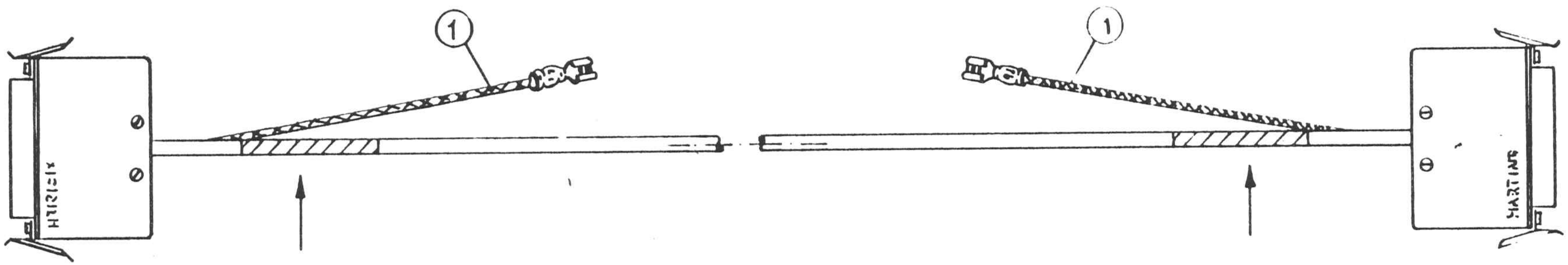
325398

END A

MEGALINK N 100

END B

MEGALINK N 100



LABEL

325400 xx
MEGALINK N 100 N 100

LABEL

325400 xx
MEGALINK N 100 N 100

XX INDICATES LENGTH IN METERS.

ADHERE LABEL 1-2 DM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 12 PAIRS

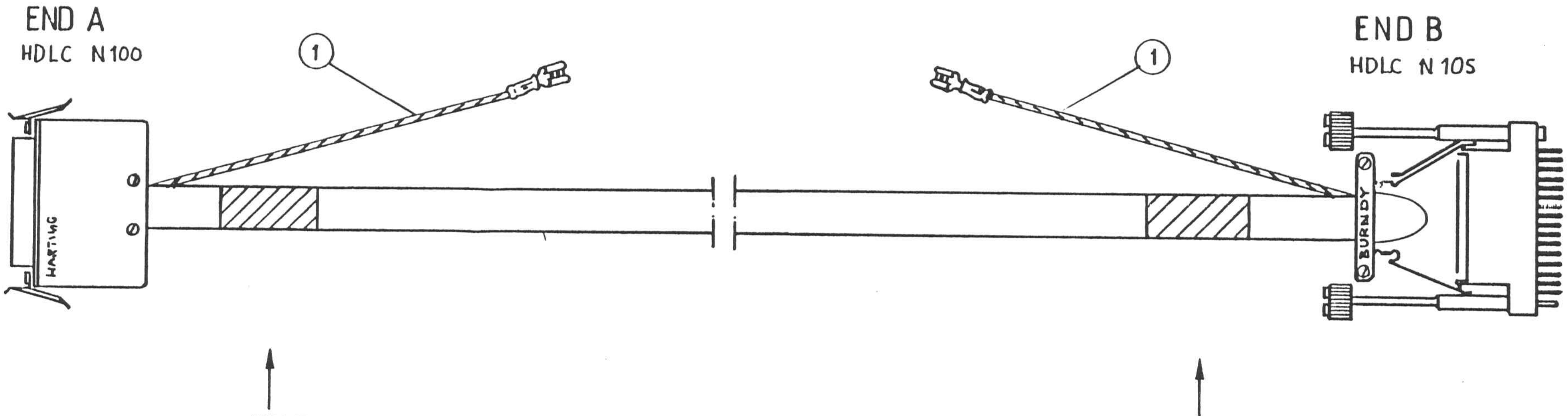
CONNECTORS TYPE: END A 25 P

END B 25 P

PRODUCTION TIPS:

(1) SHIELDED CABLE 15 CM

C... ...ted	Date	Sign	CABL. EXT. MEGALINK N 100 N 100	Drawn MJM
				Date 29.6.83
				Contr
			NORSK DATA A.S Oslo, Norway	Replacement for
				325 ·00



LABLE

325401 XX
HDLC N 100 N 10S

LABLE

325401 XX
HDLC N 100 N 10S

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE NEK HK-S-K 12 PAIRS

CONNECTORS TYPE: END A 25 P

END B 42 P BURNDY

PRODUCTION TIPS:

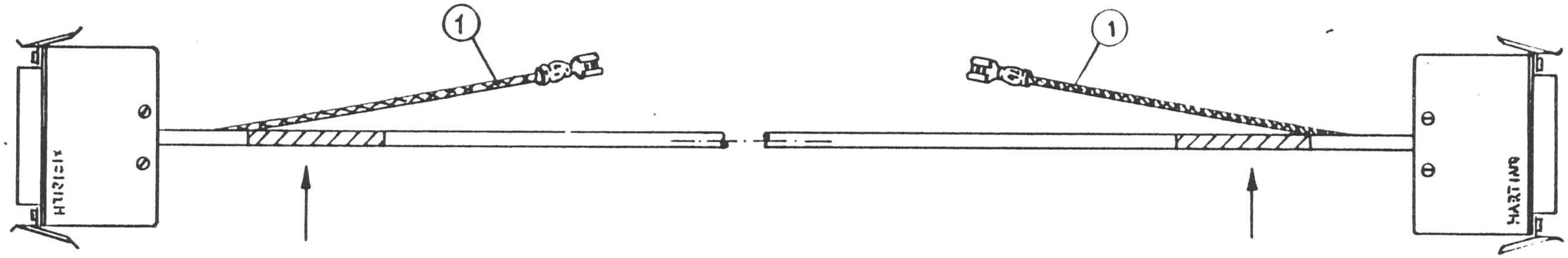
1 SHIELDED CABLE 15 CM

Corrected	Date	Sign

CABL. EXT HDLC N 100 N 10 S		Drawn MJM Date 30. 6. 83. Appr
NORSK DATA A.S Oslo, Norway	Replacement for	325401

END A
HDLC N 100

END B
HDLC N 100



LABEL

325402 xx
HDLC N 100 N 100

XX INDICATES LENGTH IN METERS.

LABEL

325402 xx
HDLC N 100 N 100

ADHERE LABEL 1-2 DM FROM CONNECTORS.

CABLE TYPE: NEK. HK-S-K 12 PAIRS

CONNECTORS TYPE: END A 25 P

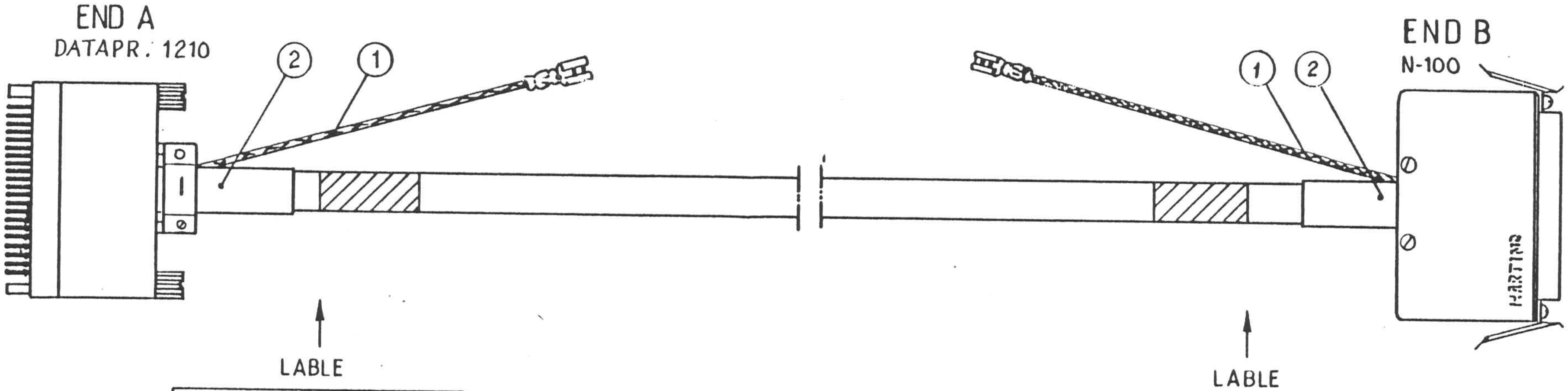
END B 25 P

PRODUCTION TIPS:

(1) SHIELDED CABLE 15 CM

Corre	Date	Sign

CABL. EXT. HDLC N 100 N 100	Drawn MJM Date 30.6.83 Contr.
NORSK DATA A.S Oslo, Norway	Replacement for 3254[illegible]2



LABLE (END A)	LABLE (END B)
325404 XX	325404 XX
DATAPR. 1210 N 100	DATAPR. 1210 N 100

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK HK-S-K 12 PAIRS

CONNECTORS TYPE: END A 50 P

END B 37 P

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

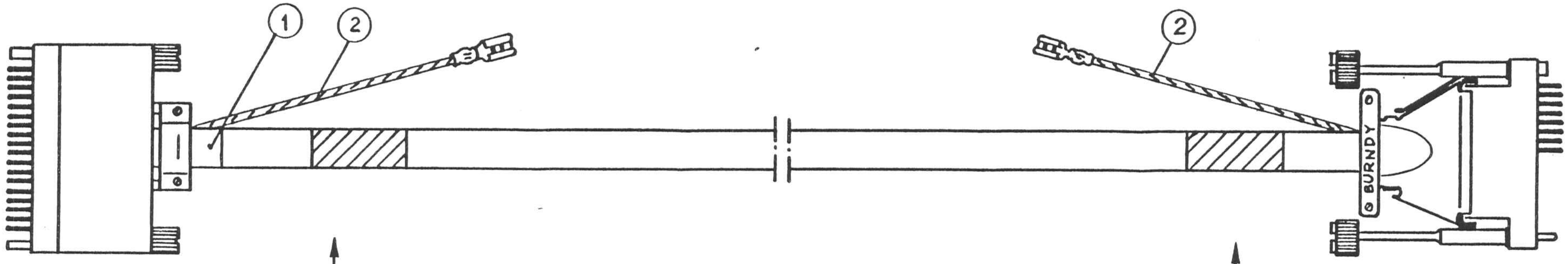
2 TINING

CABL. EXT DATAPR. 1210 N 100	Drawn MJM	
	Date 4.7.83.	
	Appr	
NORSK DATA A.S Oslo, Norway	Replacement for	325404

Corrected	Date	Sign

END A
DATAPR. 1210

END B
N 10



LABLE

325405 XX	
DATAPR. 1210	N 10

LABLE

325405 XX	
DATAPR. 1210	N 10

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK HK-S-K 12 PAIRS

CONNECTORS TYPE: END A 50 P

END B 42 P BURNDY

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

2 TINING

Corrected	Date	Sign

CABL. EXT
DATAPR. 1210 N 10

Drawn MJM
Date 30.6.83.
Appr.

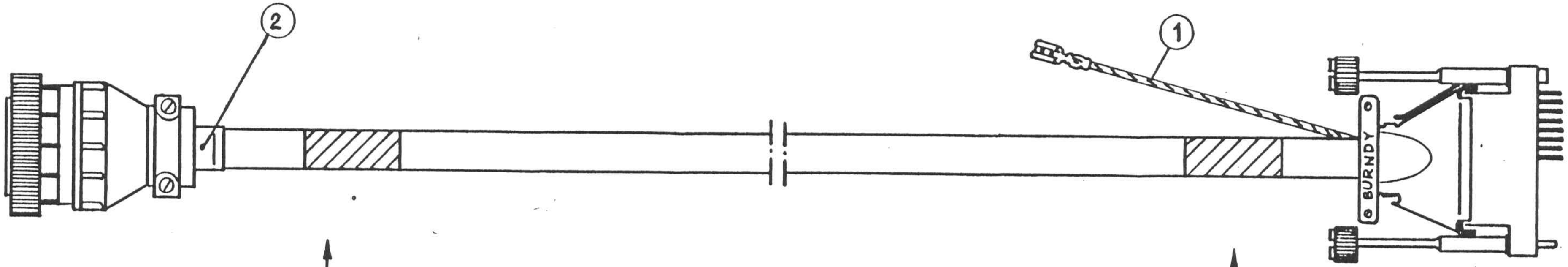
NORSK DATA A.S
Oslo, Norway

Replacement for

325405

END A
LP 3-900L 938X

END B
N 10



LABLE

325406 XX
LP 3-900L 938X N 10

LABLE

325406 XX
LP 3-900L 938X N 10

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK HK-S-K 21 PAIRS

CONNECTORS TYPE: END A 37 P AMP

END B 42 P BURNDY

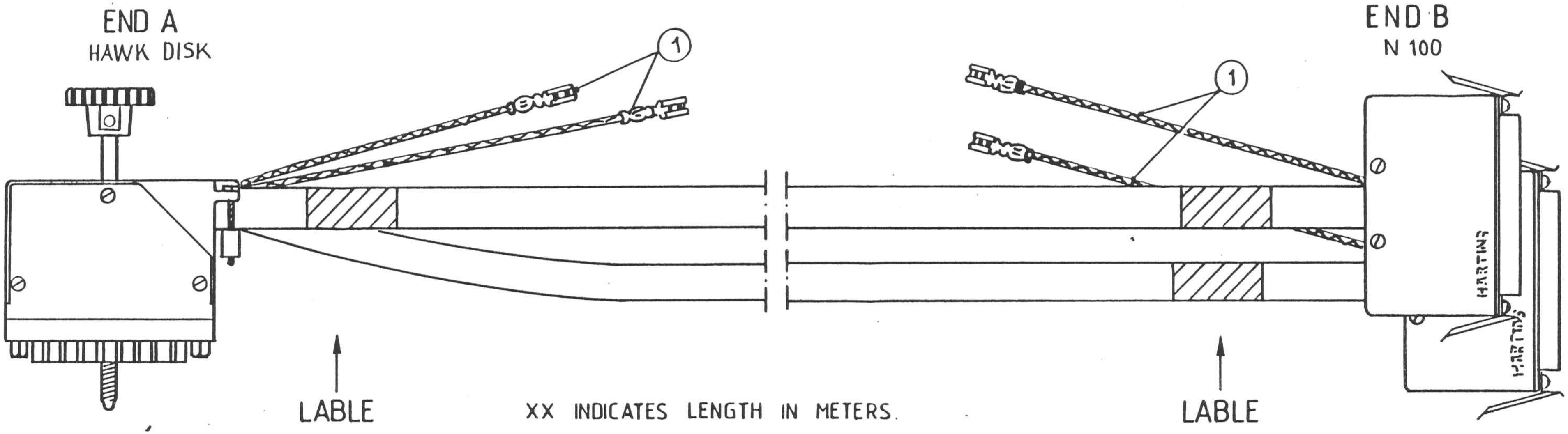
PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

2 TINING

Corrected	Date	Sign

CABL. EXT LP 3-900L 938 X N 10	Drawn MJM Date 5.7.83. Appr.
NORSK DATA A.S Oslo, Norway	Replacement for 325406



325409 XX	
HAWK DISK	N 100

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE. NEK-HK S-K 21 PAIRS

CONNECTORS TYPE: END A 75 P

END B 37 P/ 37 P

PRODUCTION TIPS:

(1) SHIELDED CABLE 15 CM

325409 XX	
HAWK DISK	N 100

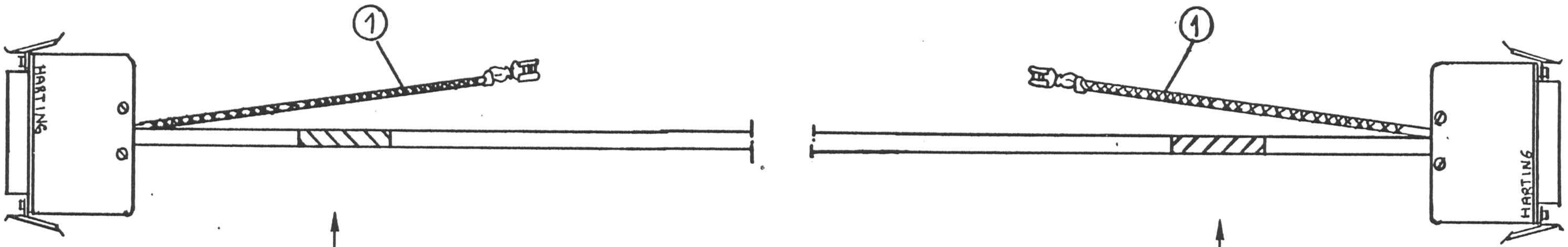
CABL. EXT HAWK DISK N 100		Drawn MJM Date 4.7.83. Appr
Corrected	Date	Sign
NORSK DATA A.S Oslo, Norway	Replacement for	325409

END A

N100 V24

END B

N100 V24.



LABLE

325415 XX
N100 V24 N100 V24

LABLE

325415 XX
N100 V24 N100 V24

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE: NEK S-K 4 PAIRS

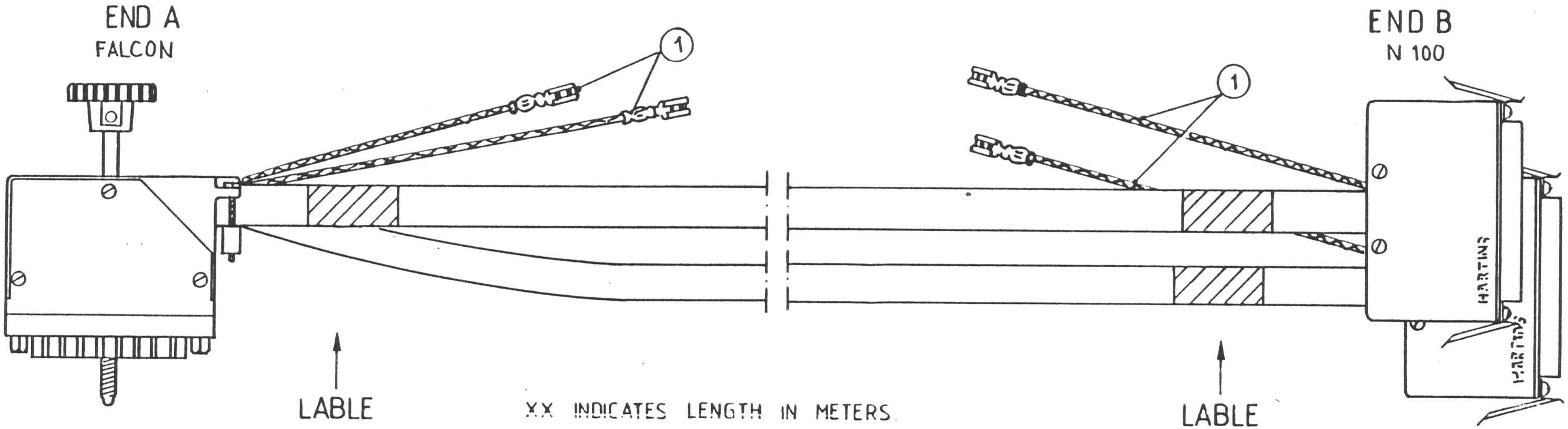
CONNECTORS TYPE: END A 25P

END B 25P

PRODUCTION TIPS:

1 SHIELDED CABLE 15 CM

			CABL. EXT N100 V24 N100 V24	Drawn MA Date 29.4.83 Appr.
Corrected	Date	Sign	NORSK DATA A.S Oslo, Norway	Replacement for 325415



325408 XX
FALCON N 100

XX INDICATES LENGTH IN METERS

ADHERE LABLE 10-20CM FROM CONNECTORS

CABLE TYPE NEK-HK S-K 21 PAIRS

CONNECTORS TYPE END A 75 P

END B 37 P/37 P

PRODUCTION TIPS

(1). SHIELDED CABLE 15 CM

325408 XX
FALCON N 100

Corrected	Date	Sign

CABL. EXT

FALCON N 100

Drawn MJM

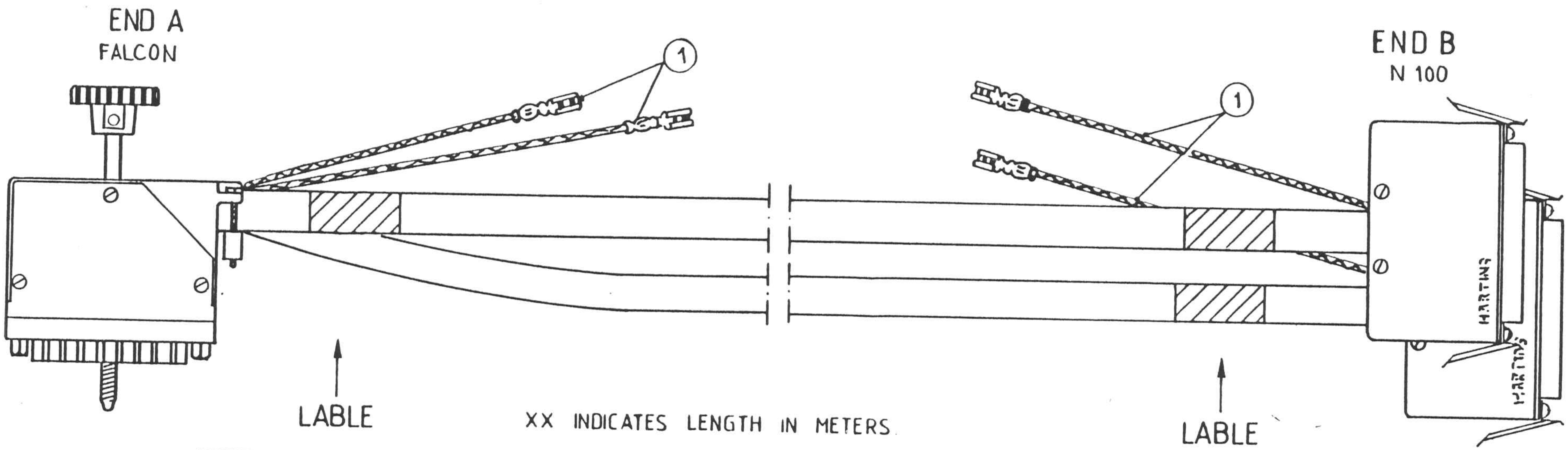
Date 4.7.83.

Appr

NORSK DATA A.S
Oslo. Norway

Replacement for

3254[illegible]8



325408 XX
FALCON N 100

XX INDICATES LENGTH IN METERS

ADHERE LABLE 10-20CM FROM CONNECTORS

CABLE TYPE NEK-HK S-K 21 PAIRS

CONNECTORS TYPE END A 75 P

END B 37 P/37 P

PRODUCTION TIPS

1 SHIELDED CABLE 15 CM

325408 XX
FALCON N 100

CABL. EXT FALCON N 100		Drawn MJM Date 4.7.83. Appr
NORSK DATA A.S Oslo Norway	Replacement for	325408

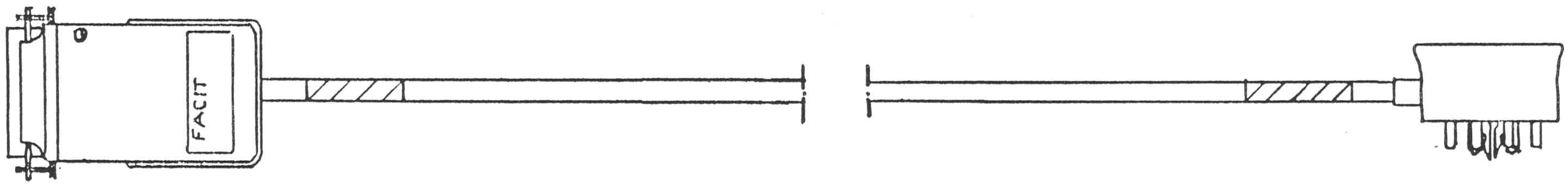
Corrected	Date	Sign

END B

ND PC

END A

TELEX PL. CU.LO.



LABLE

325449 XX
ND PC TELEX PL. CU.LO.

XX INDICATES LENGTH IN METERS.

ADHERE LABLE 10-20CM FROM CONNECTORS.

CABLE TYPE NEK HK-S-K 2 PAIRS

CONNECTORS TYPE: END A TELEX

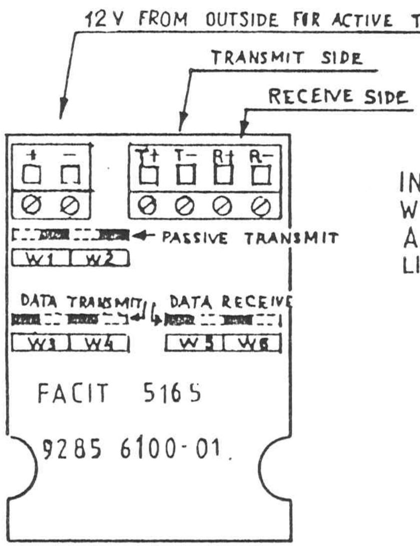
END B ADAPTER

PRODUCTION TIPS

(1) SHIELD DRAIN WIRE SHALL BE CONNETED TO PIN 6 IN END A

LABLE

325449 XX
ND PC TELEX PL. CU.LO.



IN ADAPTER, JUMPER W1-W2-W3-W4-W5 AND W6 MUST BE LINKED AS SHOWN.

CABL. EXT ND PC TELEX PL. CU.LO.		23.3.84 Page 2 of 2
Corrected	Date	Sign
NORSK DATA A.S Oslo, Norway		325449

NORSK DATA A.S	Title: CABL EXT EPSON-80 N-100	Drawing No.: 3-9535 C 325355 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	EXT. CAB. COVER HARTING 25 PIN PLUG PIN NO.	EPSON DEVICE PLUG DB-25-P COVER MODEM PIN NO.		
01	CHASSIS				1		
02				14			
03	TXD			2	3		
04	11+			15			
05	RXD			3	NC		
06	12-			16			
07	RTS			4	NC		
08	01+			17			
09	RFS			5	20		
10	02-			18			
11	DSR			6	NC		
12				19			
13	GND			7	7		
14	DTR			20 *			
15	SIGN. DET.			8 *			
16				21			
17							
18							
19							
20							
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INTERNAL CABLE :
EXTERNAL CABLE 1: 4 PAIRS SHIELDED ROUND CABLE
EXTERNAL CABLE 2:
EXTERNAL CABLE 3:
EXTERNAL CABLE 4:

Pin 1 in the device plug is connected to cable shield.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

* Strap in external cable.

Drawn by: HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date: 10.11.81			

NORSK DATA A.S

Title: CABL EXT EPSON-80 TDV 2215

Drawing No. 3-9534

325356 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL PIN NO.	EPSON DEVICE PLUG DB-25-P COVER MODEM PIN NO.		TDV 22 PRINTER OUT DB-25-S COVER MODEM
01	CHASSIS				1		1
02							
03	TXD				3		2
04							
05	RXD				NC		NC
06							
07	RTS				NC		NC
08							
09	RFS				NC		NC
10							
11	DSR				NC		NC
12							
13	GND				7		7
14	DTR				20		3
15	SIGN. DIT.				8		NC
16							
17							
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INTERNAL CABLE :
EXTERNAL CABLE 1: 4PAIRS SHIELDED ROUND CABLE
EXTERNAL CABLE 2:
EXTERNAL CABLE 3:
EXTERNAL CABLE 4:

In both end of cable the shield is connected to pin 1.

Drawn by HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date 10.11.81			

Cable specification for ND 750 KM-1D to local devices.

SIGNAL NAME AND DIRECTION.	INTERFACE ND.NO		DEVICES (continued).				
	ND 750 KM-1D		ND 424 Epson MX 80	ND 427 Terminett 340	ND 445 Philips GP 300	ND 235 Dataprod DP 55	
PLUG	25 P		25 P	25 P	25 P	25 P	
COVER	Modem		Modem	Modem	Modem	Modem	
Screen	1		1	1	1	1	
TXD <--	2		NC	NC	2	2	
RXD -->	3		3	2	3	3	
RTS <--	4		NC	NC	NC	NC	
RFS -->	5		NC	NC	NC	NC	
DSR -->	6		NC	NC	6	NC	
GND ---	7		7	7	7	7	
DCD -->	8		NC	NC	8	NC	
DTR <--	20		20	15	20	19	
Straps in KM-1D end.			6-2	6-2			
Straps in device end.					4-5		
Part no Drawing	ND 750 KM-1D		325357	325337	325300	325421	
Part no Drawing							
Flowcontrol method possible in cable.			DTR	DTR	DTR XON/XOFF	DTR XON/XOFF	

NORSK DATA A.S	Title: CABL EXT EPSON-80 KM-1D	Drawing No. 3 - 9550
		325357 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	KM-1D EXT.CAB. COVER MODEM 25 P PIN NO	EPSON DEVICE PLUG 25 P COVER MODEM PIN NO.		
01	CHASSIS			1	1		
02				NC	NC		
03	TXD			6 - 2 *	NC		
04	I1+			NC	NC		
05	RXD			3	3		
06	I2-			NC	NC		
07	RTS			NC	NC		
08	O1+			NC	NC		
09	RFS			NC	NC		
10	O2-			NC	NC		
11	DSR			2 - 6 *	NC		
12				NC	NC		
13	GND			7	7		
14	DTR			20	20		
15	SIGN. DET.			NC	NC		
16				NC	NC		

INTERNAL CABLE :
EXTERNAL CABLE 1: 4 pair with screen
EXTERNAL CABLE 2:
EXTERNAL CABLE 3:
EXTERNAL CABLE 4:

Pin 1 in the device and KM-1D plug is connected to cable shield

* Strap in external cable.

Drawn by	HO/ma	Remarks	Replacement for	Date
Approved			Replaced by	Date
Date	26.4.82			

NORSK DATA A.S	Title: CABL EXT T-1612 KM-1D	Drawing No. 3-9383
		325358 XX

WIRE NO.	KM-ID SIGNAL NAME	KM-1D COVER MODEM PLUG 25P PIN NO		TALLY 1612 COVER HARTING PLUG 25S PIN NO			
01							
02	TXD ←	2					
03							
04	RXD →	3	→	3	R. DATA		
05							
06	RTS ←	4					
07							
08	CTS →	5		5	CTS		
09							
10	DSR →	6	→	6	DSR		
11							
12	GND —	7	—	7	GND		
13							
14	RLSD →	8					
15							
16	DTR ←	20	←	11	SEC RTS		
17							
18	DTB ←	18					
19							
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22							
23							
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NB! Shield connected to pin 1 in both plugs.

Cable type: 4 pair cable with Screen

Drawn by HO/kha	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date 21.8.80			

A/S NORSK DATA-ELEKTRONIKK	Title: CABLE EXT. FACIT N-10 8 PIN CU.LO.	Drawing no. N-10 325359 XX

NO.	SIGNAL			PLUG BERG (CPU POS.)	8 PIN BURNDY	DEVICE ADAPTER 5165		
1	Sign.				A	T-		
	GND				B	T+		
2	Sign.				C	R-		
	GND				D	R+		
3					E			
					H			
4								
5								
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9								
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11								
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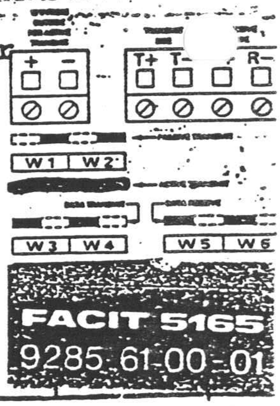
17								
18								
19								

In adapter jumper W1-W2-W3-W4-W5 and W6 must be linked as showen



EXT: CABLE: 2 PAIR WITH SCREEN

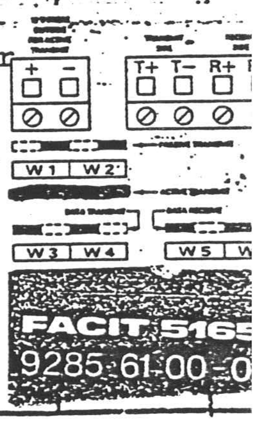
In computer end the screen connected to an earth faston

DRAWN BY HO/ma	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 14.02.83			

A/S NORSK DATA-ELEKTRONIKK	Title: CABLE EXT. FACIT N-10 42 PIN CU.LO.	Drawing no. N-10 325360 XX

NO.	SIGNAL			PLUG BERG (CPU POS.)	42 PIN BURNDY	DEVICE ADAPTER 5165	
1	Sign.				A	T-	
	GND				C	T+	
2	Sign.				B	R-	
	GND				D	R+	
3					E		
					H		
4					F		
					J		
5					K		
					M		
6					L		
					N		
7					P		
					S		
8					R		
					T		
9					U		
					W		
10					V		
					X		
11					Y		
					AA		
12					Z		
					BB		
13					CC		
					EE		
14					DD		
15							
16							
17							
18							
19							

In adapter jumper
W1-W2-W3-W4-W5
and W6 must be
linked as showen



EXT: CABLE: 2 PAIR WITH SCREEN

In computer end the screen connected to an Earth faston

DRAWN BY HO/ma	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 14.02.83			

NORSK DATA A.S	Title: CABL EXT OMNI 825 N100 RS232	Drawing No. 3 - 9508 325361 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	EXT.CAB. MALE COVER HARTING 25 PIN PLUG PIN NO	DEVICE PLUG 25 P MODEM COVER PIN NO.		
01	CHASSIS						
02				1			
03	TXD			14			
04	11+			2	3		
05	RXD			15			
06	12-			3			
07	RTS			16			
08	01+			4			
09	RFS			17			
10	02-			5	11		
11	DSR			18			
12				6			
13	GND			19			
14	DTR			7	7		
15	SIGN. DET.			* 20,8	8,6,5		
16				* 8,20			
				21			

INTERNAL CABLE :
EXTERNAL CABLE 1: 4 pair round cable with screen
EXTERNAL CABLE 2:
EXTERNAL CABLE 3:
EXTERNAL CABLE 4:

Pin 1 in the device plug is connected to cable shield.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

* Strap in external cable.

Drawn by HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date ~~9.4.81~~			

NORSK DATA A.S	Title: CABL EXT T-1612 N100 RS232	Drawing No. 3-9365
		325367 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL FEMALE EXT. CAB. MALE COVER HARTING 25 PIN PLUG PIN NO.	DEVICE PLUG EXT.CAB. FEMALE COVER MODEM 25S PIN NO.		
1	CHASSIS		c 1	1			
2			a 1	14			
3	TXD		c 2	2	3		
4	I1+		a 2	15			
5	RXD		c 3	3	2		
6	I2-		a 3	16			
7	RTS		c 4	4			
8	O1+		a 4	17			
9	RFS		c 5	5	19		
10	O2-		a 5	18			
11	DSR		c 6	6			
12			a 6	19			
13	GND		c 7	7	7		
14	DTR		a 7	* 20, 8			
15	SIGN. DET.		c 8	* 8, 20			
16			a 8	21			
17	CHASSIS		c 9	1			
18			a 9	14			
19	TXD		c 10	2			
20	I1+		a 10	15			
21	RXD		c 11	3			
22	I2-		a 11	16			
23	RTS		c 12	4			
24	O1+		a 12	17			
25	RFS		c 13	5			
26	O2-		a 13	18			
27	DSR		c 14	6			
28			a 14	19			
29	GND		c 15	7			
30	DTR		a 15	20			
31	SIGN. DET.		c 16	8			
32			a 16	21			
33	CHASSIS		c 17	1			
34			a 17	14			
35	TXD		c 18	2			
36	I1+		a 18	15			
37	RXD		c 19	3			
38	I2-		a 19	16			
39	RTS		c 20	4			
40	O1+		a 20	17			
41	RFS		c 21	5			
42	O2-		a 21	18			
43	DSR		c 22	6			
44			a 22	19			
45	GND		c 23	7			
46	DTR		a 23	20			
47	SIGN. DET.		c 24	8			
48			a 24	21			
49	CHASSIS		c 25	1			
50			a 25	14			
51	TXD		c 26	2			
52	I1+		a 26	15			
53	RXD		c 27	3			
54	I2-		a 27	16			
55	RTS		c 28	4			
56	O1+		a 28	17			
57	RFS		c 29	5			
58	O2-		a 29	18			
59	DSR		c 30	6			
60			a 30	19			
61	GND		c 31	7			
62	DTR		a 31	20			
63	SIGN. DET.		c 32	8			
64			a 32	21			

INTERNAL CABLE TYPE : 64 wire flat cable
EXTERNAL CABLE TYPE 1: 4 pair round cable with screen
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Pin 1 in the device plug is connected to cable shiel.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

* Strap in external cable.

Drawn by	Remarks	Replacement for	Date
Approved	B-connector on 3010		
Date	B & A-connector on 3013	Replaced by	Date

NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY	AMP plug on printer end	
1	LP 0	1	BERG 95	A	E	
	GND		" 94	C	F	
2	LP 1	1	" 93	B	H	
	GND		" 92	D	J	
3	LP 2	1	" 91	E	K	
	GND		" 90	H	L	
4	LP 3	1	" 89	F	M	
	GND		" 88	J	N	
5	LP4	1	" 87	K	P	
	GND		" 86	M	R	
6	LP 5	1	" 85	L	S	
	GND		" 84	N	T	
7	LCB	1	" 83	P	a	
	GND		" 82	S	b	
8	CHREQ	0	" 81	R	C	
	GND		" 80	T	D	
9	LSTROB	0	" 79	U	A	
	GND		" 78	W	B	
10			" 77	V		
			" 76	X		
11	READY	0	" 75	Y	h	
	GND		" 74	AA	j	
12	LMCP	0	" 73	Z	n	
	GND		" 72	BB	p	
13	Line Ready	0	" 71	CC	k	N-10
	GND		" 70	EE	m	extension
14	LP 6	1	" 69	DD	U	
	GND		" 68	FF	V	
15	LP 7	1	" 67	HH	W	
	GND		" 66	KK	X	
16	LP 8	1	" 65	JJ	Y	
	GND		" 64	LL	Z	
17	Load Imag.	0	" 63	MM	z	
	GND		" 62	PP	AA	
18			" 61	NN		
			" 60	RR		
19			" 59	SS		
			" 58	UU		
20			" 57	TT		
			" 56	VV		
21			" 55	XX		
			" 54	WW		

1047, 7628

DRAWN BY EJ/bn	Remarks	Replacement for	Date 17/1/74
APPROVED BY	Extension of N-1 connection	Replaced by	Date
DATE 18/1/74			

NORSK DATA A.S Oslo, Norway	Title CABL EXT LP 3-900L 938X N100	Drawing no. 4-9431 325369 XX

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.	PLUG AMP	
1	LP1	0	BERG 95	a 20	1	1	
	GND		" 94	c 20	20	2	
2	LP2	0	" 93	a 19	2	3	
	GND		" 92	c 19	21	4	
3	LP3	0	" 91	a 18	3	5	
	GND		" 90	c 18	22	6	
4	LP4	0	" 89	a 17	4	7	
	GND		" 88	c 17	23	8	
5	LP5	0	" 87	a 16	5	9	
	GND		" 86	c 16	24	15	
6	LP6	0	" 85	a 15	6	14	
	GND		" 84	c 15	25	13	
7	LP7	0	" 83	a 14	7	12	
	GND		" 82	c 14	26	11	
8	LP9	0	" 81	a 13	8	31	
	GND		" 80	c 13	27	32	
9	LP8	0	" 79	a 12	9	10	
	GND		" 78	c 12	28	16	
10	LMC	0	" 77	a 11	10	25	
	GND		" 76	c 11	29	26	
11	LSTROB	0	" 75	a 10	11	17	
	GND		" 74	c 10	30	18	
12	LACK	0	" 73	a 9	12	19	
	GND		" 72	c 9	31	20	
13	LBUSY	1	" 71	a 8	13	23	
	GND		" 70	c 8	32	24	
14	LREADY	0	" 69	a 7	14	21	
	GND		" 68	c 7	33	22	
15	LOOP	0	" 67	a 6	15	27	
	GND		" 66	c 6	34	28	
16	LCP	1	" 65	a 5	16	30	
	GND		" 64	c 5	35	33	
17	LBDO	1	" 63	a 4	17	36	
	GND		" 62	c 4	36	37	
18	LBDI	1	" 61	a 3	18	34	
	GND		" 60	c 3	37	35	
19			" 59	a 2	1		
			" 58	c 2	20		
20			" 57	a 1	2		
			" 56	c 1	21		
21			" 55		3		
			" 54		22		

DRAWN BY	HO	Remarks	Replacement for	Date
APPROVED BY			Replaced by	Date
DATE	6.9.79			

NORSK DATA A.S

Title: CABL EXT SMD SNITT SMC N100

Drawing No. 3-9375

325370 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL PIN NO.	EXT. CABLE PLUG 37 P COVER HARTING PIN NO.	DEVICE PLUG AMP 38 PIN PIN NO.	CABLE TYPE
01	GROUND NOT USED						
02	GROUND NOT USED						
03	GROUND				Screen	K	
04	SERCL	1			20	N	
05	SERCL	0			2	M	
06	GROUND				Screen	T	
07	RDDL	0			3	U	
08	RDDL	1			22	V	
09	GROUND				Screen	Y	KOAX
10	RCL	1			23	X	
11	RCL	0			5	W	
12	GROUND				Screen	E	
13	WRCL	0			6	H	
14	WRCL	1			25	J	
15	GROUND				Screen	D	
16	WDL	1			26	B	
17	WDL	0			8	A	
18	GROUND						
19	USL	1			9	BB	
20	USL	0			28	DD	
21	SEEKEL	0			10	AA	
22	SEEKEL	1			29	CC	
23	GROUND						TWI[illegible]D
24	INDEX	1			30	HH	PAIR
25	INDEX	0			12	EE	
26	GROUND						
27	SECTOR	0			13	FF	
28	SECTOR	1			32	JJ	
29							
30							
31							
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52							
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57							
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59							
60							
61							
62							
63	GROUND						
64	GROUND						

The external cable consists of 5 pieces of koaxial cable and 4 twisted pairs.

Screens marked K, T, Y, E, D in the computer end of the cable are connected together with one AMP faston and grounded on plugpanel chassis.

Drawn by HO/kha	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date 14.01.80			

NORSK DATA A.S	Title: CABL EXT SMD SNITT SMR/SMT N100	Drawing No.: 3-9370
		325371 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL 2 x 37 S PIN NO. SMT	PLUG PANEL 2 x 37 S PIN NO. SMR	EXT. CABLE 2 x 37 P COVER HARTING PIN NO. SMT	EXT. CABLE 2 x 37 P COVER HARTING PIN NO. SMR	DEVICE PLUG AMP PLUG (75 PIN) MALE PIN NO	DEVICE PLUG FLAT CABLE ON THE DISC PIN NO.
01	GROUND NOT USED		ac 1						
02	GROUND NOT USED		aa 1						
03	TAG 1	0	ac 2	1		1		46	1
04	TAG 1	1	aa 2	20		20		49	31
05	TAG 2	0	ac 3	2		2		48	2
06	TAG 2	1	aa 3	21		21		51	32
07	TAG 3	0	ac 4	3		3		52	3
08	TAG 3	1	aa 4	22		22		55	33
09	B0L	0	ac 5	4		4		23	4
10	B0L	1	aa 5	23		23		26	34
11	B1L	0	ac 6	5		5		24	5
12	B1L	1	aa 6	24		24		27	35
13	B2L	0	ac 7	6		6		28	6
14	B2L	1	aa 7	25		25		31	36
15	B3L	0	ac 8	7		7		29	7
16	B3L	1	aa 8	26		26		32	37
17	B4L	0	ac 9	8		8		30	8
18	B4L	1	aa 9	27		27		33	38
19	B5L	0	ac 10	9		9		34	9
20	B5L	1	aa 10	28		28		37	39
21	B6L	0	ac 11	10		10		35	10
22	B6L	1	aa 11	29		29		38	40
23	B7L	0	ac 12	11		11		36	11
24	B7L	1	aa 12	30		30		39	41
25	B8L	0	ac 13	12		12		40	12
26	B8L	1	aa 13	31		31		43	42
27	B9L	0	ac 14	13		13		41	13
28	B9L	1	aa 14	32		32		44	43
29	OPENCL	0	ac 15	14		14		16	14
30	OPENCL	1	aa 15	33		33		20	44
31	FAULTL	0	ac 16		1		1	11	15
32	FAULTL	1	aa 16		20		20	14	45
33	SEEKERL	0	ac 17		2		2	75	16
34	SEEKERL	1	aa 17		21		21	78	46
35	ONCYLL	0	ac 18		3		3	15	17
36	ONCYLL	1	aa 18		22		22	18	47
37			ac 19		4				18
38			aa 19		23				48
39	READYL	0	ac 20		5		5	17	19
40	READYL	1	aa 20		24		24	21	49
41			ac 21		6				20
42			aa 21		25				50
43	BUSYL	0	ac 22		7				21
44	BUSYL	1	aa 22		26				51
45	USTL	0	ac 23		8		8	22	22
46	USTL	1	aa 23		27		27	25	52
47	US0L	0	ac 24		9		9	1	23
48	US0L	1	aa 24		28		28	4	53
49	US1L	0	ac 25		10		10	2	24
50	US1L	1	aa 25		29		29	5	54
51			ac 26		11				25
52			aa 26		30				55
53	US2L	0	ac 27		12		12	3	26
54	US2L	1	aa 27		31		31	7	56
55	US3L	0	ac 28		13		13	8	27
56	US3L	1	aa 28		32		32	12	57
57	WPROTL	0	ac 29		14				28
58	WPROTL	1	aa 29		33				58
59	PICK	0	ac 30		15		15	73	29
60	HOLD	0	aa 30		34		34	76	59
61			ac 31						30
62			aa 31						60
63	GROUND NOT USED		ac 32						
64	GROUND NOT USED		aa 32						

INTERNAL CABLE TYPE : 60 WIRE FLAT CABLE
EXTERNAL CABLE TYPE 1: 21 PAIR ROUND CABLE WITH SCREEN
EXTERNAL CABLE TYPE 2: 12 PAIR ROUND CABLE WITH SCREEN
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Each screen is connected to ground in each end with a 6,3 mm AMP faston (Total 4 peaces AMP faston).

Drawn by	Remarks	Replacement for	Date
HO/kah	See drawing no. 3-9368		
Approved		Replaced by	Date
Date: 15.01.80			

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT SMD SNITT SMC N10	Drawing no. NORD-10 325373 XX

NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY	PLUG AMP (34 PINS)	CABLE TYPE
1	WDL	1	BERG 95	A	B	KOAX
	WDL	0	" 94	C	A	"
2	WRCL	1	" 93	B	J	"
	WRCL	0	" 92	D	H	"
3	SERCL	1	" 91	E	N	"
	SERCL	0	" 90	H	M	"
4	RDDL	1	" 89	F	V	"
	RDDL	0	" 88	J	U	"
5	RCL	1	" 87	K	X	"
	RCL	0	" 86	M	W	"
6	SEEKEL	1	" 85	L	CC	TWISTED PA
	SEEKEL	0	" 84	N	AA	"
7	USL	1	" 83	P	BB	"
	USL	0	" 82	S	DD	"
8	SECTL	1	" 81	R	FF	"
	SECTL	0	" 80	T	JJ	"
9	INDEXL	1	" 79	U	EE	"
	INDEXL	0	" 78	W	HH	"
10	PAIR 1 SCREEN	1	"	V	D	
	" 2 "	0	"	X	E	
11	" 3 "	1	"	Y	K	
	" 4 "	0	"	AA	T	
12	" 5 "	1	"	Z	Y	
		0	"	BB		
13		1	"	CC		
		0	"	EE		
14		1	"	DD		
		0	"	FF		
15		1	"	HH		
		0	"	KK		
16		1	"	JJ		
		0	"	LL		
17		1	"	MM		
		0	"	PP		
18		1	"	NN		
		0	"	RR		
19		1	"	SS		
		0	"	UU		
20		1	"	TT		
		0	"	VV		

NB! ONLY 9 PAIRS TO BE MOUNTED IN BERG-PLUG.
CUT THE SCREENS CLOSE TO THE BERG-PLUG.

Card 1080

Pos. 26 (25)

DRAWN BY HS/eml	Remarks: CABLE B	Replacement for: List	Date 7/ 75
APPROVED BY	PLUG J2 ON DISC	Replaced by	Date
DATE 23/4/75			

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT 9,2 Mbyte N10	Drawing no. 325374 XX

NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY	PLUG ELCO	
1	USB 1 o	1	BERG 95	A	C J	
	GND	0	" 94	C	C K	
2	USB 2 o	1	" 93	B	C D	
	GND	0	" 92	D	C M	
3	USB 4 o	1	" 91	E	C N	
	GND	0	" 90	H	C P	
4	USB 8 o	1	" 89	F	C R	
	GND	0	" 88	J	C S	
5	USB 16 o	1	" 87	K	C L	
	GND	0	" 86	M	C U	
6	MARG o	1	" 85	L	A H	
	GND	0	" 84	N	A J	
7	WPED o	1	" 83	P	A K	
	GND	0	" 82	S	A L	
8		1	" 81	R		
		0	" 80	T		
9		1	" 79	U		
		0	" 78	W		
10		1	" 77	V		
		0	" 76	X		
11		1	" 75	Y		
		0	" 74	AA		
12		1	" 73	Z		
		0	" 72	BB		
13		1	" 71	CC		
		0	" 70	EE		
14		1	" 69	DD		
		0	" 68	FF		
15		1	" 67	HH		
		0	" 66	KK		
16		1	" 65	JJ		
		0	" 64	LL		
17		1	" 63	MM		
		0	" 62	PP		
18		1	" 61	NN		
		0	" 60	RR		
19		1	" 59	SS		
		0	" 58	UU		
20		1	" 57	TT		
		0	" 56	VV		

These wiring is used for disc-interface with 1107 card.

DRAWN BY	Remarks	Replacement for	Date
APPROVED BY	DISC SEQUENCE (1107) PLUG	Replaced by	Date
DATE			

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT 9,2 Mbyte N10	Drawing no. NORD-10 325374 XX

NO.	SIGNAL	POLARITY	PLUG BERG 2 (CPU POS.)	PLUG BURNDY	PLUG ELCO	
1	US4₀	1	BERG 95	A	BS	
	GND	0	" 94	C	BY	
2	US3₀	1	" 93	B	BU	
	GND	0	" 92	D	BT	
3	US2₀	1	" 91	E	BN	
	GND	0	" 90	H	BY	
4	US1₀	1	" 89	F	BR	
	GND	0	" 88	J	BX	
5	CART INDEX₀	1	" 87	K	BF	
	GND	0	" 86	M	BP	
6	SECTOR₀	1	" 85	L	BL	
	GND	0	" 84	N	BM	
7	SEEK ERR₀	1	" 83	P	BJ	
	GND	0	" 82	S	BK	
8	FAULT₀	1	" 81	R	BB	
	GND	0	" 80	T	BH	
9	CEYL₀	1	" 79	U	BD	
	GND	0	" 78	W	BE	
10	CREADY₀	1	" 77	V	AX	
	GND	0	" 76	X	BC	
11	CRC₀	1	" 75	Y	AZ	
	GND	0	" 74	AA	BA	
12	RRD₀	1	" 73	Z	AU	
	GND	0	" 72	BB	AY	
13	DRG₀	1	" 71	CC	AV	
	GND	0	" 70	EE	AW	
14	DWD₀	1	" 69	DD	AS	
	GND	0	" 68	FF	AT	
15	DEG₀	1	" 67	HH	AP	
	GND	0	" 66	KK	AR	
16	DWG₀	1	" 65	JJ	AM	
	GND	0	" 64	LL	AN	
17	N.C.	1	" 63	MM		
	N.C.	0	" 62	PP		
18	N.C.	1	" 61	NN		
	N.C.	0	" 60	RR		
19	DHS1₀	1	" 59	SS	AE	
	GND	0	" 58	UU	AF	
20	DHS0₀	1	" 57	TT	AC	
	GND	0	" 56	VV	AD	
21		1	" 55	XX		
		0	" 54	WW		

DRAWN BY TM/eml	Remarks	Replacement for	Date
APPROVED BY	DISC TIMING PLUG	Replaced by	Date
DATE 14/8/73			

A/S NORSK DATA-ELEKTRONIKK	CABL EXT 9,2 Mbyte N10	Drawing no. NORD-10 325374 XX

NO.	SIGNAL	POLARITY	PLUG BERG 1 (CPU POS.)	PLUG BURNDY	PLUG ELCO	
1	N.C.	1	BERG 95	A		
	N.C.	0	" 94	C		
2	N.C.	1	" 93	B		
	N.C.	0	" 92	D		
3	DRTZ$_o$	1	" 91	E	AA	
	GND	0	" 90	H	AB	
4	TA8$_o$	1	" 89	F	R	
	GND	0	" 88	J	X	
5	TA7$_o$	1	" 87	K	T	
	GND	0	" 86	M	S	
6	N.C.	1	" 85	L		
	N.C.	0	" 84	N		
7	N.C.	1	" 83	P		
	N.C.	0	" 82	S		
8	N.C.	1	" 81	R		
	N.C.	0	" 80	T		
9	TA6$_o$	1	" 79	U	V	
	GND	0	" 78	W	U	
10	TA5$_o$	1	" 77	V	P	
	GND	0	" 76	X	W	
11	TA4$_o$	1	" 75	Y	M	
	GND	0	" 74	AA	N	
12	N.C.	1	" 73	Z		
	N.C.	0	" 72	BB		
13	N.C.	1	" 71	CC		
	N.C.	0	" 70	EE		
14	N.C.	1	" 69	DD		
	N.C.	0	" 68	FF		
15	TA3$_o$	1	" 67	HH	K	
	GND	0	" 66	KK	L	
16	TA2$_o$	1	" 65	JJ	H	
	GND	0	" 64	LL	J	
17	TA1$_o$	1	" 63	MM	E	
	GND	0	" 62	PP	F	
18	TA0$_o$	1	" 61	NN	C	
	GND	0	" 60	RR	D	
19	DTAS$_o$	1	" 59	SS	A	
	GND	0	" 58	UU	B	
20						
21						

DRAWN BY TM/eml	Remarks	Replacement for	Date
APPROVED BY	DISC TRANCEIVER PLUG	Replaced by.	Date
DATE 14/8/73			

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT SMD SNITT SMR/SMT N10	Drawing no. NORD-10 325376 XX

NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY	PLUG AMP (82 PINS)	CABLE TYPE
1	B0L	1	BERG 95	A	26	TWISTED PAI
	B0L	0	" 94	C	23	" "
2	B1L	1	" 93	B	27	" "
	B1L	0	" 92	D	24	" "
3	B2L	1	" 91	E	31	" "
	B2L	0	" 90	H	28	" "
4	B3L	1	" 89	F	32	" "
	B3L	0	" 88	J	29	" "
5	B4L	1	" 87	K	33	" "
	B4L	0	" 86	M	30	" "
6	B5L	1	" 85	L	37	" "
	B5L	0	" 84	N	34	" "
7	B6L	1	" 83	P	38	" "
	B6L	0	" 82	S	35	" "
8	B7L	1	" 81	R	39	" "
	B7L	0	" 80	T	36	" "
9	B8L	1	" 79	U	43	" "
	B8L	0	" 78	W	40	" "
10	B9L	1	" 77	V	44	" "
	B9L	0	" 76	X	41	" "
11	TAG1L	1	" 75	Y	49	" "
	TAG1L	0	" 74	AA	46	" "
12	TAG2L	1	" 73	Z	51	" "
	TAG2L	0	" 72	BB	48	" "
13	TAG3L	1	" 71	CC	55	" "
	TAG3L	0	" 70	EE	52	" "
14	OPENCL	1	" 69	DD	16	" "
	OPENCL	0	" 68	FF	20	" "
15		1	"	HH		
		0	"	KK		
16		1	"	JJ		
		0	"	LL		
17		1	"	MM		
		0	"	PP		
18		1	"	NN		
		0	"	RR		
19		1	"	SS		
		0	"	UU		
20		1	"	TT		
		0	"	VV		

NB! ONLY 14 PAIRS TO BE MOUNTED IN BERG-PLUG.

A,I AND A,II ARE MOUNTED IN THE SAME AMP-PLUG.

Card 1079

Pos. 27

DRAWN BY HS/eml	Remarks: CABLE A,II SMT	Replacement for: List	Date: 7/ /5
APPROVED BY	PLUG J3 ON DISC	Replaced by	Date
DATE 23/4/75			

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT SMD SNITT SMR/SMT N10	Drawing no. NORD-10 325376 XX

NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY	PLUG AMP (82 PINS)	CABLE TYPE
1	USOL	1	BERG 95	A	04	TWISTED PA
	USOL	0	" 94	C	01	" "
2	US1L	1	" 93	B	05	" "
	US1L	0	" 92	D	02	" "
3	US2L	1	" 91	E	07	" "
	US2L	0	" 90	H	03	" "
4	US3L	1	" 89	F	12	" "
	US3L	0	" 88	J	08	" "
5	SUSL	1	" 87	K	25	" "
	SUSL	0	" 86	M	22	" "
6	FAULTL	1	" 85	L	14	" "
	FAULTL	0	" 84	N	11	" "
7	SEEKERL	1	" 83	P	78	" "
	SEEKERL	0	" 82	S	75	" "
8	ONCYLL	1	" 81	R	18	" "
	ONCYLL	0	" 80	T	15	" "
9	READYL	1	" 79	U	21	" "
	READYL	0	" 78	W	17	" "
10		1	"	V		
		0	"	X		
11		1	"	Y		
		0	"	AA		
12		1	"	Z		
		0	"	BB		
13		1	"	CC		
		0	"	EE		
14		1	"	DD		
		0	"	FF		
15		1	"	HH		
		0	"	KK		
16		1	"	JJ		
		0	"	LL		
17		1	"	MM		
		0	"	PP		
18		1	"	NN		
		0	"	RR		
19		1	"	SS		
		0	"	UU		
20		1	"	TT		
		0	"	VV		

NB! ONLY 9 PAIRS TO BE MOUNTED IN BERG-PLUG.

A,I AND A,II ARE MOUNTED IN THE SAME AMP-PLUG.

Card 1078

Pos. 28

DRAWN BY HS/eml	Remarks: CABLE A,I SMR PLUG J3 ON DISC	Replacement for: List	Date 7/3/75
APPROVED BY		Replaced by:	Date
DATE 23/4/75			

NORSK DATA A.S	Title: EXTERNAL & INTERNAL CABLE FOR N-100 STC MAGTAPE CONTROLLER TO STC MAGTAPE FORMATTER CABLE A	Drawing No. 3-9380 C 325378 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL 2x37 PIN D-CONNCTOR PIN NO.	DEVICE PLUG ND PLUG PAN. 2x37 PIN PIN NO.	DEVICE PLUG PLUG PANEL IN TAPE FORMATTER	
01	AD0	0	ac 01	P1- 1	P1- 1	A4-A01	
02	GND		aa 01	P1-20	P1-20	A4-B01	
03	AD1	0	ac 02	P1- 2	P1- 2	A4-A02	
04	GND		aa 02	P1-21	P1-21	A4-B02	
05	CMD0	0	ac 03	P1- 3	P1- 3	A4-A03	
06	GND		aa 03	P1-22	P1-22	A4-B03	
07	CMD1	0	ac 04	P1- 4	P1- 4	A4-A04	
08	GND		aa 04	P1-23	P1-23	A4-B04	
09	CMD2	0	ac 05	P1- 5	P1- 5	A4-A05	
10	GND		aa 05	P1-24	P1-24	A4-B05	
11	CMD3	0	ac 06	P1- 6	P1- 6	A4-A06	
12	GND		aa 06	P1-25	P1-25	A4-B06	
13	DSO	0	ac 07	P1- 7	P1- 7	A4-A07	
14	GND		aa 07	P1-26	P1-26	A4-B07	
15	START	0	ac 08	P1- 8	P1- 8	A4-A08	
16	GND		aa 08	P1-27	P1-27	A4-B08	
17	STOP	0	ac 09	P1- 9	P1- 9	A4-A09	
18	GND		aa 09	P1-28	P1-28	A4-B09	
19	TRAK	0	ac 10	P1-10	P1-10	A4-A10	
20	GND		aa 10	P1-29	P1-29	A4-B10	
21	DAT-P	0	ac 11	P1-11	P1-11	A4-A11	
22	GND		aa 11	P1-30	P1-30	A4-B11	
23	DATA-0	0	ac 12	P1-12	P1-12	A4-A12	
24	GND		aa 12	P1-31	P1-31	A4-B12	
25	DATA-1	0	ac 13	P1-13	P1-13	A4-A13	
26	GND		aa 13	P1-32	P1-32	A4-B13	
27	DATA-2	0	ac 14	P1-14	P1-14	A4-A14	
28	GND		aa 14	P1-33	P1-33	A4-B14	
29	DATA-3	0	ac 15	P1-15	P1-15	A4-A15	
30	GND		aa 15	P1-34	P1-34	A4-B15	
31	DATA-4	0	ac 16	P1-16	P1-16	A4-A16	
32	GND		aa 16	P1-35	P1-35	A4-B16	
33	DATA-5	0	ac 17	P1-17	P1-17	A4-A17	
34	GND		aa 17	P1-36	P1-36	A4-B17	
35	DATA-6	0	ac 18	P1-18	P1-18	A4-A18	
36	GND		aa 18	P1-37	P1-37	A4-B18	
37	DATA-7	0	ac 19	P2- 1	P2- 1	A4-A19	
38	GND		aa 19	P2-20	P2-20	A4-B19	
39	RESET	0	ac 20	P2- 2	P2- 2	A4-A20	
40	GND		aa 20	P2-21	P2-21	A4-B20	
41	MUX0	0	ac 21	P2- 3	P2- 3	A4-A21	
42	GND		aa 21	P2-22	P2-22	A4-B21	
43	MUX1	0	ac 22	P2- 4	P2- 4	A4-A22	
44	GND		aa 22	P2-23	P2-23	A4-B22	
45	DS1	0	ac 23	P2- 5	P2- 5	A4-A23	
46	GND		aa 23	P2-24	P2-24	A4-B23	
47	MUX2	0	ac 24	P2- 6	P2- 6	A4-A24	
48	GND		aa 24	P2-25	P2-25	A4-B24	
49	SSC	0	ac 25	P2- 7	P2- 7	A4-A25	
50	GND		aa 25	P2-26	P2-26	A4-B26	
51	OSC?	0	ac 26	P2- 8	P2- 8	A4-A26	
52	GND		aa 26	P2-27	P2-27	A4-B26	
53	EOTS	0	ac 27	P2- 9	P2- 9	A4-A27	
54	GND		aa 27	P2-28	P2-28	A4-B27	
55	BOTS	0	ac 28	P2-10	P2-10	A4-A28	
56	GND		aa 28	P2-29	P2-29	A4-B28	
57	FPTS	0	ac 29	P2-11	P2-11	A4-A29	
58	GND		aa 29	P2-30	P2-30	A4-B29	
59	REWS	0	ac 30	P2-12	P2-12	A4-A30	
60	GND		aa 30	P2-31	P2-31	A4-B30	
61							
62				EXTERNAL	CABLE		
63							
64							

EXTERNAL CABLE TYPE : SPECTRA STRIP TWIST'N FLAT 455-248-60

EXTERNAL CABLE TYPE 1: " " " " " " " " "

EXTERNAL CABLE TYPE 2: " " " " " " " " " } Max lenght 3 m

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

Drawn by: PHE/kha	Remarks: Total length of all three cables max. 20 feet.	Replacement for	Date
Approved		Replaced by	Date
Date: 21.8.80			

NORSK DATA A.S	Title: EXTERNAL & INTERNAL CABLE FOR N-100 STC MAGTAPE CONTROLLER TO STC MAGTAPE FORMATTER CABLE B	Drawing No. 3-9379C
		325379 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL 2x37 PIN D-CONN. IN N100 PIN NO.	DEVICE PLUG 2x37 PIN D-CONNECTOR IN TAPE CAB. PIN NO.	DEVICE PLUG PLUG PANEL IN TAPE FORMATTER	
1	ERRMX-P	0	bc 1	P3- 1	P3- 1	B4-A01	
2	GND		ba 1	P3-20	P3-20	B4-B01	
3	ERRMX-0	0	bc 2	P3- 2	P3- 2	B4-A02	
4	GND		ba 2	P3-21	P3-21	B4-B02	
5	ERRMX-1	0	bc 3	P3- 3	P3- 3	B4-A03	
6	GND		ba 3	P3-22	P3-22	B4-B03	
7	ERRMX-2	0	bc 4	P3- 4	P3- 4	B4-A04	
8	GND		ba 4	P3-23	P3-23	B4-B04	
9	ERRMX-3	0	bc 5	P3- 5	P3- 5	B4-A05	
10	GND		ba 5	P3-24	P3-24	B4-B05	
11	ERRMX-4	0	bc 6	P3- 6	P3- 6	B4-A06	
12	GND		ba 6	P3-25	P3-25	B4-B06	
13	ERRMX-5	0	bc 7	P3- 7	P3- 7	B4-A07	
14	GND		ba 7	P3-26	P3-26	B4-B07	
15	ERRMX-6	0	bc 8	P3- 8	P3- 8	B4-A08	
16	GND		ba 8	P3-27	P3-27	B4-B08	
17	ERRMX-7	0	bc 9	P3- 9	P3- 9	B4-A09	
18	GND		ba 9	P3-28	P3-28	B4-B09	
19	BUSY	0	bc 10	P3-10	P3-10	B4-A10	
20	GND		ba 10	P3-29	P3-29	B4-B10	
21	TREQ	0	bc 11	P3-11	P3-11	B4-A11	
22	GND		ba 11	P3-30	P3-30	B4-B11	
23	RECV	0	bc 12	P3-12	P3-12	B4-A12	
24	GND		ba 12	P3-31	P3-31	B4-B12	
25	ID-BRST	0	bc 13	P3-13	P3-13	B4-A13	
26	GND		ba 13	P3-32	P3-32	B4-B13	
27	OPINC	0	bc 14	P3-14	P3-14	B4-A14	
28	GND		ba 14	P3-33	P3-33	B4-B14	
29	ENDATP	0	bc 15	P3-15	P3-15	B4-A15	
30	GND		ba 15	P3-34	P3-34	B4-B15	
31	TMS	0	bc 16	P3-16	P3-16	B4-A16	
32	GND		ba 16	P3-35	P3-35	B4-B16	
33	REJECT	0	bc 17	P3-17	P3-17	B4-A17	
34	GND		ba 17	P3-36	P3-36	B4-B17	
35	OVRNS	0	bc 18	P3-18	P3-18	B4-A18	
36	GND		ba 18	P3-37	P3-37	B4-B18	
37	DATA CHK	0	bc 19	P4- 1	P4- 1	B4-A19	
38	GND		ba 19	P4-20	P4-20	B4-B19	
39	ROMPS	0	bc 20	P4- 2	P4- 2	B4-A20	
40	GND		ba 20	P4-21	P4-21	B4-B20	
41	CRERR	0	bc 21	P4- 3	P4- 3	B4-A21	
42	GND		ba 21	P4-22	P4-22	B4-B21	
43	BLOCK	0	bc 22	P4- 4	P4- 4	B4-A22	
44	GND		ba 22	P4-23	P4-23	B4=B22	
45	NRZI	0	bc 23	P4- 5	P4- 5	B4-A23	
46	GND		ba 23	P4-24	P4-24	B4-B23	
47	BUPER	0	bc 24	P4- 6	P4- 6	B4-A24	
48	GND		ba 24	P4-25	P4-25	B4-B24	
49	ONLS	0	bc 25	P4- 7	P4- 7	B4-A25	
50	GND		ba 25	P4-26	P4-26	B4-B25	
51	HDENS	0	bc 26	P4- 8	P4- 8	B4-A26	
52	GND		ba 26	P4-27	P4-27	B4-B26	
53	RDYS	0	bc 27	P4- 9	P4- 9	B4-A27	
54	GND		ba 27	P4-28	P4-28	B4-B27	
55	WRTS	0	bc 28	P4-10	P4-10	B4-A28	
56	GND		ba 28	P4-29	P4-29	B4-B28	
57							
58							
59				EXTERNAL			
60				CABLE			
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INTERNAL CABLE TYPE : Spectra-strip Twist'n flat 455-248-60

EXTERNAL CABLE TYPE 1:

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3: " " " " " " " "

EXTERNAL CABLE TYPE 4 " " " " " " " " } length max. 3 m

Drawn by PHE /kha	Remarks	Replacement for	Date
Approved	Total length of all three cables max. 20 feet	Replaced by	Date
Date 21.8.80			

Cables for PIOC X-interface(Plug panel X1,X- X3 or X4					
SIGNAL NAME AND DIREC-TION.	INTERFACE ND.NO		CONNECTED DEVICES		
	ND-857 PIOC interface ND-100		Datanett X-DCE X.21	PIOC computer link	PIOC/HDLC ND-100 link
PLUG	Europlug channel 0,2/1,3	25P	15P	25P	25P
COVER		HARTING	MODEM	HARTING	HARTING
TB -->	a9/a25	14	9	16	16
TA -->	c10/c26	2	2	4	4
CB -->	a10/a26	15	10	NC.	NC.
CA -->	c11/c27	3	3	NC.	NC.
RB <--	a11/a27	16	11	14	14
RA <--	c12/c28	4	4	2	2
IA <--	a12/a28	17	12	NC.	NC.
IB <--	c13/c29	5	5	NC.	NC.
SB <--	a13/a29	18	13	19	15
SA <--	c14/c30	6	6	7	3
UB <--	a14/a30	19	NC.	18	18
UA <--	c15/c31	7	NC.	6	6
YB -->	a15/a31	20	NC.	NC.	NC.
YA -->	a16/a32	21	NC.	NC.	NC.
GND ---	c16/c32	8	8	8	8
STRAPS IN PIOC END.			18-19,6-7 22-10, 23-11-24	15-5,17-3 ,7-21, 19-20	15-5,17-3 ,7-21, 19-20
STRAPS IN DEVICE END/ REMOTE END IF COMPUTER LINK.			None	15-5,17-3 ,7-21, 19-20	3-5,15-17 11-24-23, 22-10
Screen	Faston		1	Faston	Faston
Cabel			6 p round	6p round	6p round
Part no Drawing	ND-857		325383	325384	325385

Cables for PIOC V-interface(Plug panel V1,V2,V3 or V4					
SIGNAL NAME AND DIREC-TION.	INTERFACE ND.NO		CONNECTED DEVICES		
	ND-857 PIOC interface ND-100		Synch.mod V.24/VDCE X.21bis	Asyn.mod V.24/VDCE X.20bis	
PLUG	Europlug chann. 0,2/1,3	25P	25P	25P	
COVER		HARTING	Modem.	Modem.	
TXD -->	c2/c18	2	2	2	
RXD <--	c3/c19	3	3	3	
RTS -->	c4/c20	4	4	4	
RFS <--	c5/c21	5	5	5	
DSR <--	c6/c22	6	6	6	
GND ---	c7/c23	7	7	7	
DCD <--	c8/c24	8	8	8	
TXC <--	a2/a18	15	15	NC.	
RXC <--	a4/a20	17	17	NC.	
DTR -->	a7/a23	20	20	20	
RI <--	Not used	22	22	NC.	
UTC -->	a5/a21	18	NC.	NC.	
VLEV<--	a6/a22	19	NC.	NC.	
STRAPS IN PIOC END.			19-7, 22-16	18-15-17, 19-7	
STRAPS IN DEVICE END.					
Screen	Faston		1	1	
Cabel			6 p round	6 p round	
Part no Drawing	ND-857		325386	325387	

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT 21 PAIR 1-1 42-pins	Drawing no. 325393 XX

NO.	SIGNAL	PLUG BERG (CPU POS.)	PLUG BURNDY	Internal wiring in Pertec	
1	FEN	BERG 95	A	A13	
	GND	" 94	C	A14	
2	OFL	" 93	B	A12	
	GND	" 92	D	A11	
3		" 91	E	N.C.	
		" 90	H	N.C.	
4	GO	" 89	F	A3	
	GND	" 88	J	A2	
5	REWIND	" 87	K	B12	
	GND	" 86	M	B11	
6	THR2, LWD	" 85	L	B9, B13	
	GND	" 84	N	B8, B14	
7	PAR , W7	" 83	P	B10, A21	
	GND	" 82	S	B11, A20	
8	EDIT, W6	" 81	R	A6, B21	
	GND	" 80	T	A5, B20	
9	WFM , W5	" 79	U	B6, A19	
	GND	" 78	W	B5, A20	
10	ERASE, W4	" 77	V	B7, B19	
	GND	" 76	X	B8, B20	
11	WRT, W3	" 75	Y	A4, A18	
	GND	" 74	AA	A5, A17	
12	REV, W2	" 73	Z	B4, B18	
	GND	" 72	BB	B5, B17	
13	, W1	" 71	CC	, A16	
	GND	" 70	EE	, A17	
14	, W0	" 69	DD	, B16	
	GND	" 68	FF	, B17	
15	FAD	" 67	HH	B1	
	GND	" 66	KK	B2	
16	TAD0	" 65	JJ	A1	
	GND	" 64	LL	A2	
17	TAD1	" 63	MM	B3	
	GND	" 62	PP	B2	
18	LDP	" 61	NN	B30	
	GND	" 60	RR	B29	
19	ONL	" 59	SS	A27	
	GND	" 58	UU	A26	
20	FPT	" 57	TT	A28	
	GND	" 56	VV	A29	

ALL SIGNALS ACTIVE "LOW"

External connection between N-10 and Pertec is 1:1 cable

DRAWN BY RI/bw	Remarks	Replacement for	Date
APPROVED BY	POS 32	Replaced by	Date
DATE 13.10.76	ND-12.012.01		

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT 21 pair 1-1 42-pins	Drawing no.: 325393 XX

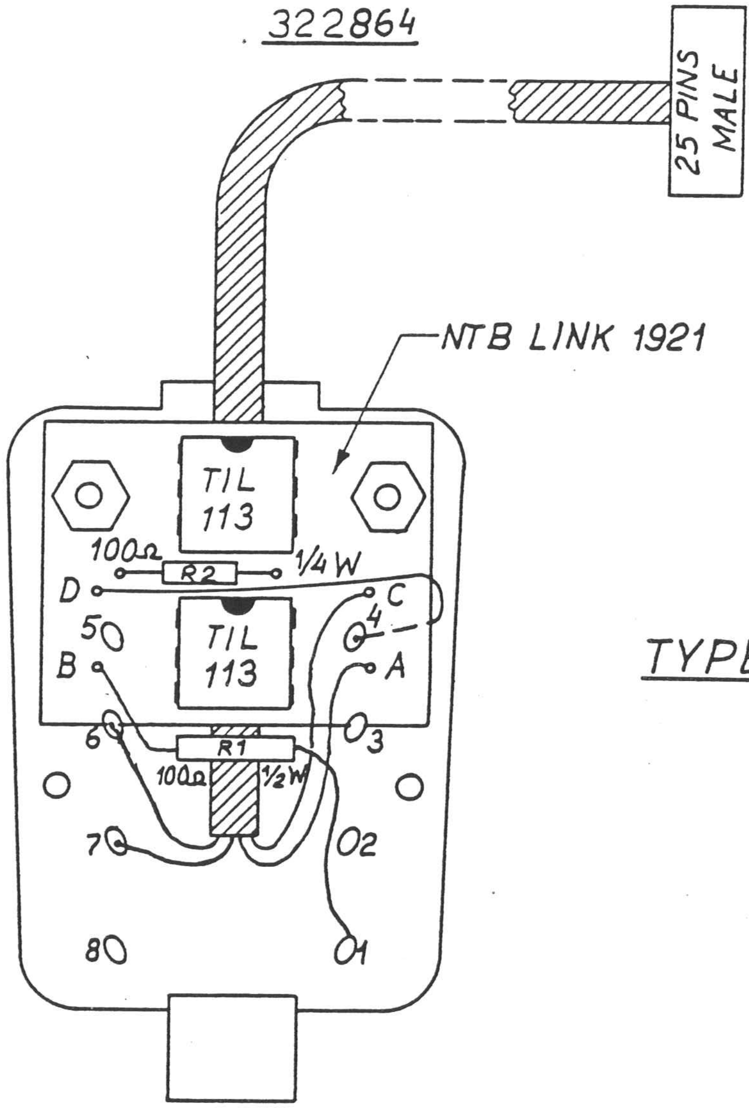
NO.	SIGNAL	PLUG BERG (CPU POS.)	PLUG BURNDY	Internal wirining in Pertec	
1	CCG	BERG 95	A	B24	
	GND	" 94	C	B23	
2	R0	" 93	B	B37	
	GND	" 92	D	B38	
3	R1	" 91	E	A37	
	GND	" 90	H	A38	
4	R2	" 89	F	B39	
	GND	" 88	J	B38	
5	R3	" 87	K	A39	
	GND	" 86	M	A38	
6	R4	" 85	L	B40	
	GND	" 84	N	B41	
7	R5	" 83	P	A40	
	GND	" 82	S	A41	
8	R6	" 81	R	B42	
	GND	" 80	T	B41	
9	R7	" 79	U	A42	
	GND	" 78	W	A41	
10	WSTR	" 77	V	A34	
	GND	" 76	X	A35	
11	RSTR	" 75	Y	B36	
	GND	" 74	AA	B35	
12	FBY	" 73	Z	B22	
	GND	" 72	BB	B23	
13	DBY	" 71	CC	A22	
	GND	" 70	EE	A23	
14	EOT	" 69	DD	A30	
	GND	" 68	FF	A29	
15	READY	" 67	HH	B27	
	GND	" 66	KK	B26	
16	FMK	" 65	JJ	A25	
	GND	" 64	LL	A26	
17		" 63	MM	N.C.	
		" 62	PP	N.C.	
18		" 61	NN	N.C.	
		" 60	RR	N.C.	
19	CER	" 59	SS	B25	
	GND	" 58	UU	B26	
20	HER	" 57	TT	A24	
	GND	" 56	VV	A23	

ALL SIGNALS ACTIVE "LOW"

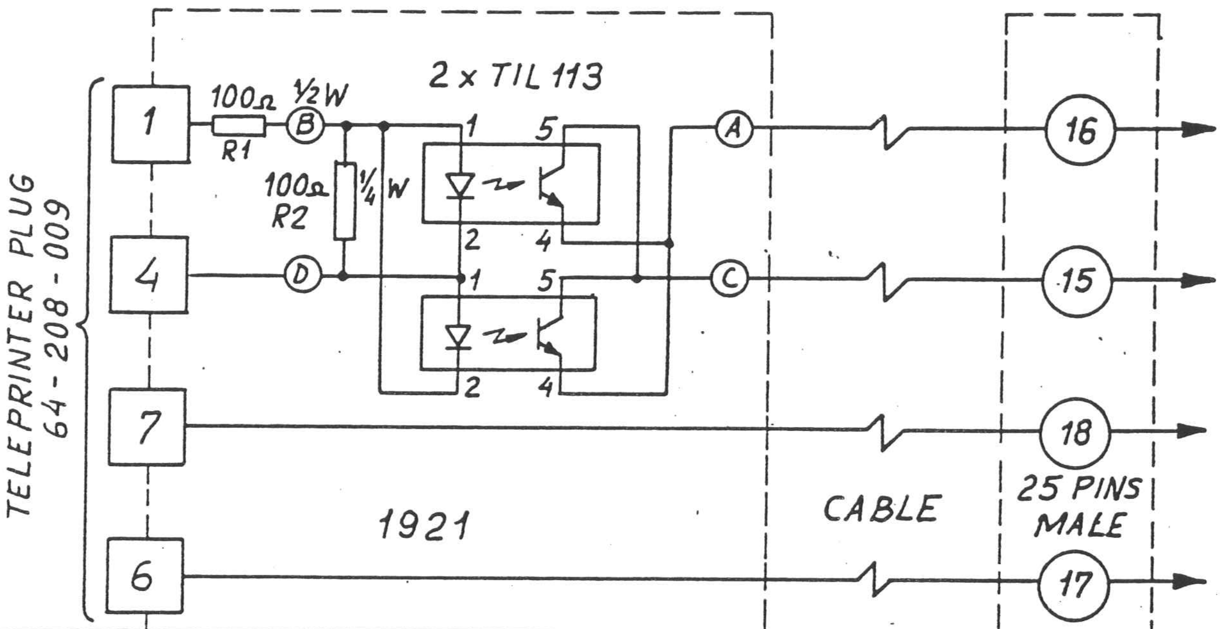
External connection between N-10 and Pertec is 1:1 cable

DRAWN BY RI/bw	Remarks	Replacement for	Date
APPROVED BY	POS 30	Replaced by	Date
DATE 13.10.76.	ND-12.012.01		

NORSK DATA A.S Oslo, Norway	CABL EXT NTB 1-4 PLUG N100	Drawing no. 4-9449-E 325398 XX

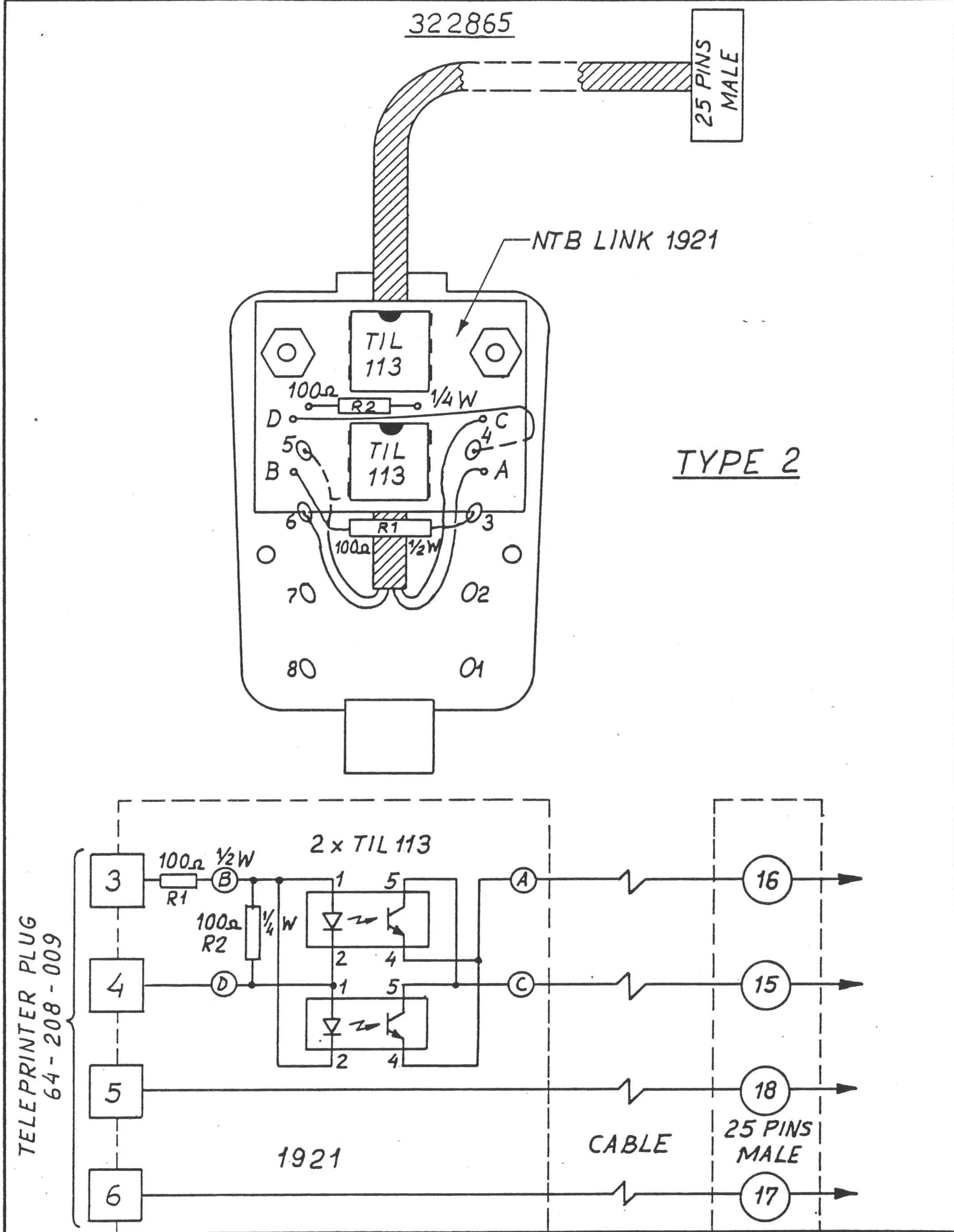


TYPE 1



DRAWN BY	MJM	Remarks	Circuit Diagram Arrangement Drawing Cable List	Replacement for	Date
APPROVED BY				Replaced by	Date
DATE	16.10.80.				

NORSK DATA A.S Oslo, Norway	Title CABL EXT NTB 3-4 PLUG N100	Drawing no. 4-9450 325399 XX



DRAWN BY M/M	Remarks	Replacement for	Date
APPROVED BY	Circuit Diagram Arrangement Drawing Cable List	Replaced by	Date
DATE 4.9.80.			

NORSK DATA A.S	Title CABL EXT MEGALINK N100 N100	Drawing No. 3 - 9388 325400 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	DEVICE PLUG DDC 25 P COWER HARTING PIN NO.	DEVICE PLUG DDC 25 P COWER HARTING PIN NO.		
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28	TxCB			NC			
29	TxCA			NC			
30	TB			14	16		
31	TA			2	4		
32	TxCB (CB)			15	18		
33	TxCA (CA)			3	6		
34	RB			16	14		
35	RA			4	2		
36	TxCB (IB)			17	7		
37	TxCA (IA)			5	19		
38	RxCB (SA)			18	15		
39	RxCA (SB)			6	3		
40	BB			19	5		
41	BA			7	17		
42							
43	GND			8	8		
44	HIGH						
45							
46							
47							
48							
49							
50							
51							
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INTERNAL CABLE TYPE:
EXTERNAL CABLE TYPE 1: 12 pair round cable with screen
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

In the both end of external cable are shield connected to an earth strap with faston.

Drawn by HO/ma	Remarks	Replacement for	Date
Approved	B - CONNECTOR 3015	Replaced by	Date
Date 2.9.80			

NORSK DATA A.S	Title: CABL EXT HDLC N100 N10S	Drawing No. 3-9328 C 325401 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	DEVICE PLUG DDC 25 P COWER HARTING PIN NO.	DEVICE BURNDY N-10S PIN NO.		
01				1			
02				14			
03	TDA			2			
04	TCL			15			
05	RDA			3			
06				16			
07	RTS			4			
08	RCL			17			
09	RFS			5			
10				18			
11	DSR			6			
12				19			
13	GND			7			
14	DTR			20			
15	SD			8			
16				21			
17				9			
18	RI			22			
19				10			
20				23			
21				11			
22				24			
23				12			
24				25			
25				13			
26							
27							
28							
29				1			
30	TB			14	C		
31	TA			2	A		
32	TxCB (CB)			15	D		
33	TxCA (CA)			3	B		
34	RB			16	F		
35	RA			4	J		
36	TxCB (IB)			17			
37	TxCA (IA)			5			
38	RxCB (SA)			18	K	1	
39	RxCB (SB)			6	M		
40	TxCB			NC	H		
41	TxCA			NC	E		
42				NC			
43	SIGNAL GND			8	W		
44				NC	T		
45				NC	S		
46	RFS			22			
47	ROTS			10			
48	DSR			23			
49	H			11			
50	SD			24			
51							
52							
53					L		
54					N		
55					P		
56							
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INTERNAL CABLE TYPE :
EXTERNAL CABLE TYPE 1: 12 pair round cable with screen
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Shield is connected to an earth strap in both ends of cable.

Drawn by: HO/kha	Remarks	Replacement for	Date
Approved	B-connector 3015	Replaced by	Date
Date: 13.2.81			

NORSK DATA A.S	Title: CABL EXT HDLC N100 N100	Drawing No. 3-9330
		325402 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	DEVICE PLUG DDC 25 P COWER HARTING PIN NO.	DEVICE PLUG DDC 25 P COWER HARTING PIN NO.		
01				1			
02				14			
03	TDA			2			
04	TCL			15			
05	RDA			3			
06				16			
07	RTS			4			
08	RCL			17			
09	RFS			5			
10				18			
11	DSR			6			
12				19			
13	GND			7			
14	DTR			20			
15	SD			8			
16				21			
17				9			
18	RI			22			
19				10			
20				23			
21				11			
22				24			
23				12			
24				25			
25				13			
26							
27							
28	TxCB			NC	17		
29	TxCA			NC	5		
30	TB			14	16		
31	TA			2	4		
32	TxCB (CB)			15	18		
33	TxCA (CA)			3	6		
34	RB			16	14		
35	RA			4	2		
36	TxCB (IB)			17	NC		
37	TxCA (IA)			5	NC		
38	RxCB (SA)			18	15		
39	RxCA (SB)			6	3	1	
40	RFS			NC	22		
41	RQTS			NC	10		
42	DSR			NC	23		
43	H			NC	11		
44	SD			NC	24		
45				NC			
46	RFS			22			
47	RQTS			10			
48	DSR			23			
49	H			11			
50	SD			24			
51							
52							
53							
54							
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INTERNAL CABLE TYPE :

EXTERNAL CABLE TYPE 1: 12 pair round cable with screen

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

Drawn by HO/kha	Remarks	Replacement for	Date
Approved	B-connector 3015	Replaced by	Date
Date 28.6.79			

NORSK DATA A.S	Title: Cabl Ext Freest. FL ND 360 N100	Drawing No.: 3-9352 B 325403 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	2x25 D-CONNECTOR PIN NO.	42 PINS BURNDY PIN NO.		
01			c1	1			
02			a1	14			
03	GND		c2	2	X		
04	LDADR	0	a2	15	V		
05	GND		c3	3	VV		
06	LDIFF	0	a3	16	TT		
07	GND		c4	4	AA		
08	TDIR	0	a4	17	Y		
09	GND		c5	5	UU		
10	LSECT	0	a5	18	SS		
11	GND		c6	6	BB		
12	TREQ	0	a6	19	Z		
13	GND		c7	7	KK		
14	TGRANT	0	a7	20	HH		
15	GND		c8	8	LL		
16	GSENS	0	a8	21	JJ		
17	GND		c9	9	PP		
18	GSTAT	0	a9	22	MM		
19	GND		c10	10	EE		
20	DINT	0	a10	23	CC		
21	GND		c11	11	FF		
22	DBUSY	0	a11	24	DD		
23	GND		c12	12	RR		
24	LCOM	0	a12	25	NN		
25	GND		c13	13	S		
26	TBUSY 0	0	a13	1	P		
27	GND		c14	14	T		
28	TBUSY 1	0	a14	2	R		
29	GND		c15	15	M		
30	TBUSY 2	0	a15	3	K		
31	GND		c16	16	N		
32	TBUSY 3	0	a16	4	L		
33	GND		c17	17	H		
34	TBUSY 4	0	a17	5	E		
35	GND		c18	18	J		
36	TBUSY 5	0	a18	6	F		
37	GND		c19	19	C		
38	TBUSY 6	0	a19	7	A		
39	GND		c20	20	D		
40	TBUSY 7	0	a20	8	B		
41	GND		c21	21	W		
42	RESET	0	a21	9	U		
43	GND		c22	22			
44	OPT.INPUT	0	a22	10			
45			c23	23			
46			a23	11			
47			c24	24			
48			a24	12			
49			c25	25			
50			a25	13			
51							
52							
53							
54							
55							
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INTERNAL CABLE TYPE : 50 wire flat cable

EXTERNAL CABLE TYPE 1: 20 pairs twisted with shield

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

Drawn by: SEJ	Remarks: A-CONNECTOR ON 3010	Replacement for	Date
Approved		Replaced by	Date
Date: 21.05.80			

NORSK DATA A.S Oslo, Norway	Title CABL EXT DATAPR. 1210 N100	Drawing no. 4-9445 D 325404 XX

WIRE NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUG PANEL 2x37 pin plug connection	D.P. SIGNAL	AMP
01	LP0		BERG 95	a20	1	BIT 1	E
	GND		BERG 94	c20	20	RET.	F
02	LP1		BERG 93	a19	2	BIT 2	H
	GND		BERG 92	c19	21	RET.	J
03	LP2		BERG 91	a18	3	BIT 3	K
	GND		BERG 90	c18	22	RET.	L
04	LP3		BERG 89	a17	4	BIT 4	M
	GND		BERG 88	c17	23	RET.	N
05	LP4		BERG 87	a16	5	BIT 5	P
	GND		BERG 86	c16	24	RET.	R
06	LP5		BERG 85	a15	6	BIT 6	S
	GND		BERG 84	c15	25	RET!	T
07	LCB		BERG 83	a14	7	CONT. BIT	a
	GND		BERG 82	c14	26	RET.	b
08	CHREQ		BERG 81	a13	8	CHAR.REQ.	C
	GND		BERG 80	c13	27	RET.	D
09	LSTROB		BERG 79	a12	9	DATA STROBE	A
	GND		BERG 78	c12	28	RET.	B
10	[illegible]		BERG 77	a11	10		
			BERG 76	c11	29		
11	READY		BERG 75	a10	11	READY	h
	GND		BERG 74	c10	30	RET.	j
12	LMCP		BERG 73	a 9	12	MASTER CLEAR	n
	GND		BERG 72	c 9	31	RET	p
13			BERG 71	a 8	13		
			BERG 70	c 8	32		
14	LP 6		BERG 69	a 7	14	BIT 7	U
	GND		BERG 68	c 7	33	RET.	V
15			BERG 67	a 6	15		
			BERG 66	c 6	34		
16			BERG 65	a 5	16		
			BERG 64	c 5	35		
17			BERG 63	a 4	17		
			BERG 62	c 4	36		
18			BERG 61	a 3	18		
			BERG 60	c 3	37		
19			BERG 59	a 2	1		
			BERG 58	c 2	20		
20			BERG 57	a 1	2		
			BERG 56	c 1	21		
21			BERG 55		3		
			BERG 54		22		

DRAWN BY HO/kha	Remarks	Replacement for	Date
APPROVED BY	PLUG DATA PRINTER SIDE:		
DATE 15.10.80	AMP - MALE - 201358/1 (HENACO) P74-41	Replaced by	Date

NORSK DATA A.S Oslo, Norway	Title CABL EXT DATAPR. 1210 N10	Drawing no. 325405 XX

WIRE NO.	SIGNAL		PLUG BERG (CPU POS)	BURNDY	AMP.	D. P.SIGNA
01	LP 0		95	A	E	BIT 1
	GND		94	C	F	RET.
02	LP 1		93	B	H	BIT 2
	GND		92	D	J	RET.
03	LP 2		91	E	K	BIT 3
	GND		90	H	L	RET.
04	LP 3		89	F	M	BIT 4
	GND		88	J	N	RET.
05	LP 4		87	K	P	BIT 5
	GND		86	M	R	RET
06	LP 5		85	L	S	BIT 6
	GND		84	N	T	RET
07	LCB		83	P	a	CONTROL BIT
	GND		82	S	b	RET
08	CHREQ		81	R	c	CHAR. REQ
	GND		80	T	D	RET
09	LSTROB		79	U	A	DATA STROBE
	GND		78	W	B	RET
10	READY		75	Y	h	READY
	GND		74	AA	j	RET
11	LMCP		73	Z	n	MASTER CLEA
	GND		72	BB	p	RET
12	LP 6	22.24	69	DD	U	BIT 7
	GND	22.24	68	FF	V	RET
13						
14						
15						
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18						
19						
20						

DRAWN BY PL/ ma APPROVED BY DATE 26.08.80	Remarks PLUG DATA PRINTER PAGE AMP - MALE - 201358/1 (HENACO) p74-41	Replacement for Replaced by	Date Date

A/S NORSK DATA-ELEKTRONIKK	Title: CABL EXT LP 3-900L 938X N10	Drawing no. 325406 XX

NO.	SIGNAL	POLARITY	PLUG BERG (CPU POS.)	PLUG BURNDY	PLUG AMP	
1	LP1	0	BERG 95	A	1	
	GND		" 94	C	2	
2	LP2	0	" 93	B	3	
	GND		" 92	D	4	
3	LP3	0	" 91	E	5	
	GND		" 90	H	6	
4	LP4	0	" 89	F	7	
	GND		" 88	J	8	
5	LP5	0	" 87	K	9	
	GND		" 86	M	15	
6	LP6	0	" 85	L	14	
	GND		" 84	N	13	
7	LP7	0	" 83	P	12	
	GND		" 82	S	11	
8	LP9	0	" 81	R	31	
	GND		" 80	T	32	
9	LP8	0	" 79	U	10	
	GND		" 78	W	16	
10	LMC	0	" 77	V	25	
	GND		" 76	X	26	
11	LSTROB	0	" 75	Y	17	
	GND		" 74	AA	18	
12	LACK	0	" 73	Z	19	
	GND		" 72	BB	20	
13	LBUSY	I	" 71	CC	23	
	GND		" 70	EE	24	
14	LREADY	0	" 69	DD	21	
	GND		" 68	FF	22	
15	LOOP	0	" 67	HH	27	
	GND		" 66	KK	28	
16	LCP	1	" 65	JJ	30	
	GND		" 64	LL	33	
17	LBD0	I	" 63	MM	36	
	GND		" 62	PP	37	
18	LBD1	1	" 61	NN	34	
	GND		" 60	RR	35	
19			" 59	SS		
			" 58	UU		
20			" 57	TT		
			" 56	VV		

DRAWN BY RI/eml	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 13/4/77			

NORSK DATA A.S	Title CABL EXT PERT.MT-A N-100	Drawing No. 3-9339 325407 XX page 1 of 2

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PERIPHERAL 37 PIN "D" CONNECTOR PIN NO.	DEVICE PLUG 42 PIN BURNDY PIN NO.	M-T ADAPTER BOARD	
01	TAD0	0		1	JJ	A1	
02	GND			20	LL	A2	
03	FAD	0		2	HH	B1	
04	GND			21	KK	B2	
05	TAD1	0		3	MM	B3	
06	GND			22	PP	B2	
07	G0	0		4	F	A3	
08	GND			23	J	A2	
09	THR2, LWD	0		5	L	B9, B13	
10	GND			24	N	B8, B11	
11	OFL	0		6	B	A12	
12	GND			25	D	A11	
13	REW	0		7	K	B12	
14	GND			26	M	B11	
15	FEN	0		8	A	A13	
16	GND			27	C	A14	
17	DAO,W0	0		9	DD	B16	
18	GND			28	FF	B17	
19	DA1,W1	0		10	CC	A16	
20	GND			29	EE	A17	
21	REV, W2	0		11	Z	B4, B18	
22	GND			30	BB	B5, B17	
23	WRT, W3	0		12	Y	A4, A18	
24	GND			31	AA	A5, A17	
25	ERASC, W4	0		13	V	B7, B19	
26	GND			32	X	B8, B20	
27	WFM, W5	0		14	U	B6, A19	
28	GND			33	W	B5, A20	
29	ONL	0		15	SS	A27	
30	GND			34	UU	A26	
31	EDIT, W6	0		16	R	A6, B21	
32	GND			35	T	A5, B20	
33	PAR, W7	0		17	P	B10,A21	
34	GND			36	S	B11,A20	
35	FPT	0		18	TT	A28	
36	GND			37	VV	A29	
37	LDP	0		19	NN	B30	
38	GND			37	RR	B32	
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INTERNAL CABLE TYPE : Ref. drawing 3-9312
EXTERNAL CABLE TYPE 1: Ref. drawing 3-9340
EXTERNAL CABLE TYPE 2: Shield 19 twisted pairs
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

325407 consist of 2 cables strapped together

Drawn by SEJ	Remarks	Replacement for 3-9312	Date 14.06.79
Approved	MTA-CABLE N-100 Shield to be inconnected in both ends.	Replaced by	Date
Date 21.08.79			

NORSK DATA A.S	Title CABL EXT PERT.MT-B N-100	Drawing No. 3-9340 325407 XX page 2 of 2

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL 37 PIN "D" CONNECTOR PIN NO.	DEVICE PLUG 42 PIN BURNDY PIN NO.	M-T ADAPTER BOARD	
01	DBY	0		1	CC	A22	
02	GND			20	EE	A23	
03	FBY	0		2	Z	B22	
04	GND			21	BB	B23	
05	HER	0		3	TT	A24	
06	GND			22	VV	A23	
07	CCG	0		4	A	B24	
08	GND			23	C	B23	
09	FMK	0		5	JJ	A25	
10	GND			24	LL	A26	
11	CER	0		6	SS	B25	
12	GND			25	UU	B26	
13	RDY	0		7	HH	B27	
14	GND			26	KK	B26	
15	EOT	0		8	DD	A30	
16	GND			27	FF	A32	
17	WSTR	0		9	V	A34	
18	GND			28	X	A35	
19	RSTR	0		10	Y	B36	
20	GND			29	AA	B35	
21	R 0	0		11	B	B37	
22	GND			30	D	B38	
23	R 1	0		12	E	A37	
24	GND			31	H	A38	
25	R 2	0		13	F	B39	
26	GND			32	J	B38	
27	R 3	0		14	K	A39	
28	GND			33	M	A38	
29	R 4	0		15	L	B40	
30	GND			34	N	B41	
31	R 5	0		16	P	A40	
32	GND			35	S	A41	
33	R 6	0		17	R	B42	
34	GND			36	T	B41	
35	R 7	0		18	U	A42	
36	GND			37	W	A41	
37				19			
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INTERNAL CABLE TYPE :	Ref. drawing 3-9312	325407 consist of 2 cables strapped together
EXTERNAL CABLE TYPE 1:	Shielded 18 twisted pairs	
EXTERNAL CABLE TYPE 2:	Ref. drawing 3-0339	
EXTERNAL CABLE TYPE 3:		
EXTERNAL CABLE TYPE 4:		

Drawn by SEJ	Remarks MTB-CABLE N-100 Shield to be connected in both ends.	Replacement for 3-9312 — Date 14.06.79
Approved		Replaced by — Date
Date 21.08.79		

Title: CABL EXT HAWK DISK N100
EXTERNAL CABLE A

Drawing No. 3-9341

325409 XX

WIRE NO.	SIGNAL	POLARITY	PLUGPANEL 37 PIN "D" CONNECTOR PIN NO.	DEVICE PLUG ELCO 8016 090 PIN NO.			
01	GND		1	N			
02	GND		20	CM			
03	USB2	0	2	CD			
04	GND		21	BK			
05	SEEK ERROR	0	3	BJ			
06	GND		22	S			
07	TA7	0	4	T			
08	GND		23	AF			
09	DHS 1	0	5	AE			
10	GND		24	AB			
11	DRT7	0	6	AA			
12	GND		25	CU			
13	USB16	0	7	CL			
14	GND		26	F			
15	TA1	0	8	E			
16	GND		27	B			
17	DTAS	0	9	A			
18	GND		28	CX			
19	TERMON	1	10	CW			
20	GND		29	CS			
21	USB8	0	11	CR			
22	GND		30	CP			
23	USB4	0	12	CN			
24	GND		31	BH			
25	FAULT	0	13	BB			
26	GND		32	AN			
27	DWG	0	14	AM			
28	GND		33	X			
29	TAB	0	15	R			
30	GND		34	CK			
31	USB1	0	16	CJ			
32	GND		35	AD			
33	DHSO	0	17	AC			
34	GND		36	BP			
35	INDEX	0	18	BF			
36	GND		37	N			
37	TA4	0	19	M			
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INTERNAL CABLE TYPE : Ref. drawing 3-9323
EXTERNAL CABLE TYPE 1: Shielded 18 twisted pairs
EXTERNAL CABLE TYPE 2: Ref. drawing 3-9342
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

* 10 MB DISC EXTERNAL CABLE A&B TO BE CONNECTED IN SAME ELCO HOUSING.

Drawn by SEJ	Remarks	Replacement for	Date
Approved	DA-CABLE SHIELD TO BE CONNEDTED IN BOTH ENDS.	Replaced by	Date
Date 21.08.79			

NORSK DATA A.S	Title CABL EXT ND845 M-100 25PIN	Drawing No. 3 - 9390 B 325410

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	COMPUTER END EXT. CABLE MALE COWER HARTING 25 P	DEVICE PLUG HARTING COWER 25 P MALE PIN NO.		
01				1	1		
02				14	14		
03				2	2		
04				15	15		
05				3	3		
06				16	16		
07				4	4		
08				17	17		
09				5	5		
10				18	18		
11				6	6		
12				19	19		
13				7	7		
14				20	20		
15				8	8		
16				21	21		
17				9	9		
18				22	22		
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INTERNAL CABLE TYPE:
EXTERNAL CABLE TYPE 1: 12 PAIR SHIELDED ROUND CABLE
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

IN BOTH END OF EXTERNAL CABLE IS SHIELD CONNECTED TO AN EARTH STRAP WITH FASTON

Drawn by	NJN/ma	Remarks	Replacement for	Date
Approved		DEVICE = ND 845 , MFC SWITCH		
Date	27.5.82	Equipment that need up to 16 signals	Replaced by	Date

NORSK DATA A.S Oslo, Norway	Title CABL EXT ND 845 N100 37P	Drawing no. 4 - 9453 325411 XX

WIRE NO.	SIGNAL	Polarity	EUROPLUG	COMPUTER END 37 P COWER HARTING PIN NO	DEVICE PLUG 25 P COWER HARTING PIN NO	
01				1	1	
				20	14	
02				2	2	
				21	15	
03				3	3	
				22	16	
04				4	4	
				23	17	
05				5	5	
				24	18	
06				6	6	
				25	19	
07				7	7	
				26	20	
08				8	8	
				27	21	
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INTERNAL CABLE TYPE:
EXTERNAL CABLE TYPE 1: 12 pair shielded round cable
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

In both end of external cable is shield connecte to an earth strap with Faston.

DRAWN BY NJN/ma	Remarks	Replacement for	Date
APPROVED BY	DEVICE ND 845	Replaced by	Date
DATE 6.10.80			

NORSK DATA A.S	Title: CABL EXT ND 845 N10 42P	Drawing No. 3- 9392 325412 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	PLUG PANEL 42 pin PIN NO.	DEVICE PLUG 25 p COWER HARTING PIN NO.		
01				A	1		
02				C	14		
03				B	2		
04				D	15		
05				E	3		
06				H	16		
07				F	4		
08				J	17		
09				K	5		
10				M	18		
11				L	6		
12				N	19		
13				P	7		
14				S	20		
15				R	8		
16				T	21		
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INTERNAL CABLE TYPE :
EXTERNAL CABLE TYPE 1: 12 PAIR SHIELDED ROUND CABLE
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

IN BOTH END OF EXTERNAL CABLE IS SHIELD CONNECTED TO AN EARTH STRAP WITH FASTON.

Drawn by NJN/ma	Remarks	Replacement for	Date
Approved	DEVICE ND 845	Replaced by	Date
Date 6.10.80			

NORSK DATA A.S Oslo, Norway	Title CABL EXT SMD SNITT SMC 1:1	Drawing no. 4 - 9438 325413 XX

WIRE NO.	SIGNAL	POLARITY		AMP 38 PIN COVER AMP 200517-2 PIN NO.	AMP 38 PIN COVER AMP 200517-2 PIN NO.	CABLE TYPE
01	GROUND NOT USED					
02	GROUND NOT USED					
03	GROUND		SCREEN	K	K	
04	SERCL	1		N	N	
05	SERCL	0		M	M	
06	GROUND		SCREEN	T	T	
07	RDDL	0		U	U	
08	RDDL	1		V	V	
09	GROUND		SCREEN	Y	Y	KOAX
10	RCL	1		X	X	
11	RCL	0		W	W	
12	GROUND		SCREEN	E	E	
13	WRCL	0		H	H	
14	WRCL	1		J	J	
15	GROUND		SCREEN	D	D	
16	WDL	1		B	B	
17	WDL	0		A	A	
18	GROUND					
19	USL	1		BB	BB	
20	USL	0		DD	DD	
21	SEEKEL	0		AA	AA	
22	SEEKEL	1		CC	CC	
23	GROUND					TWISTED PAIR
24	INDEX	1		HH	HH	
25	INDEX	0		EE	EE	
26	GROUND					
27	SECTOR	0		FF	FF	
28	SECTOR	1		JJ	JJ	
29						
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THE EXTERNAL CABLE CONSITS OF 5 PIECES OF KOAXIAL CABLE AND 4 TWISTED PAIRS

L=4 m

DRAWN BY KJKR/ma APPROVED BY DATE 26.3.81	Remarks	Replacement for Replaced by	Date Date

NORSK DATA A.S	Title: CABL EXT MEGALINK N100 - N10S	Drawing No: 3-9554
		325414 XX

WIRE NO.	SIGNAL	POLARITY	TERMINAL PIN NO.	DEVICE PLUG DDC 25 P COWER HARTING PIN NO.	DEVICE PLUG BURNDY N-10S PIN NO.
01				1	
02				14	
03	TDA			2	
04	TCL			15	
05	RDA			3	
06				16	
07	RTS			4	
08	RCL			17	
09	RFS			5	
10				18	
11	DSR			6	
12				19	
13	GND			7	
14	DTR			20	
15	SD			8	
16				21	
17				9	
18	RI			22	
19				10	
20				23	
21				11	
22				24	
23				12	
24				25	
25				13	
26					
27					
28					
29				1	
30	TB			14	C
31	TA			2	A
32	TxCB (CB)			15	D
33	TxCA (CA)			3	B
34	RB			16	F
35	RA			4	J
36	TxCB (IB)			17	T
37	TxCA (IA)			5	R
38	RxCB (SA)			18	K
39	RxCB (SB)			6	M
40	TxCB (BB)			19	E
41	TxCA (BA)			7	H
42				NC	
43	SIGNAL GND			8	W
44	HIGH			NC	N
45				NC	
46	RFS				
47	RQTS				
48	DSR				
49	H				
50	SD				
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EXTERNAL CABLE TYPE :

EXTERNAL CABLE TYPE 1: 6 pair round cable with screen

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

Shield is connected to an earth strap in both ends of cable.

Drawn by	HO/ma	Remarks	Replacement for	Date
Approved		B-connector 3015		
Date	8.6.82		Replaced by	Date

NORSK DATA A.S	Title: CABLE EXT. LINE SPLIT MFC SW. TO O	Drawing No. 3-9573 / 325 422 XX

WIRE NO.	SIGNAL	POLARITY	COLOUR CODE	PLUG 37 P MFC PLUG CONNECTOR PIN NO.	PLUG NO.		
01	TX +		BLACK	1	1		
02	TX −		BLUE	20			
03	TX +		BLACK	2	2		
04	TX −		ORANGE	21			
05	TX +		BLACK	3	3		
06	TX −		GREEN	22			
07	TX +		BLACK	4	4		
08	TX −		BROWN	23			
09	TX +		BLACK	5	5	~~SAME POINT SAME PLUG~~	
10	TX −		GREY	24			
11	TX +		BLUE	6	6		
12	TX −		WHITE	25			
13	TX +		BLUE	7	7		
14	TX −		ORANGE	26			
15	TX +		BLUE	8	8		
16	TX −		GREEN	27			
17	RX +		BLUE	9	1		
18	RX −		BROWN	28			
19	RX +		BLUE	10	2		
20	RX −		GREY	29			
21	RX +		ORANGE	11	3		
22	RX −		WHITE	30			
23	RX +		ORANGE	12	4		
24	RX −		GREEN	31			
25	RX +		ORANGE	13	5		
26	RX −		BROWN	32			
27	RX +		ORANGE	14	6		
28	RX −		BLUE	33			
29	RX +		GREEN	15	7		
30	RX −		WHITE	34			
31	RX +		GREEN	16	8		
32	RX −		BROWN	35			
33							
34							
35							
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INTERNAL CABLE TYPE:
EXTERNAL CABLE TYPE 1: 21 pairs round cable
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

In 37P end of cable, shielded connected to an earth Faston

Drawn by HO/ma	Remarks	Replacement for	Date
Approved	COVER HARTING FOR PLUG 37	Replaced by	Date
Date 25.04.83			

NORSK DATA A.S	Title: CABLE EXT LINE SPLIT V24 MFC TO O	Drawing No. 3-9571
		325 423 XX

WIRE NO.	SIGNAL	POLARITY	COLOUR CODE FOR 21 PAIR ROUND CABLE	SW.CABINET PLUGPANEL 37P PLUG CON-NECTOR PIN NO	PLUG NO		
01	TXD		BLACK	1			
02	RXD		BLUE	9			
03	RTS		BLACK	20			
04	RFS		ORANGE	28			
05	DSR		BLACK	29	1		
06	GND		GREEN	11			
07	SIGN.DET		BLACK	10			
08	DTR		BROWN	2			
09	TXD		BLACK	21			
10	RXD		GREY	30			
11	RTS		BLUE	3			
12	RFS		WHITE	12			
13	DSR		BLIE	13	2		
14	GND		ORANGE	32			
15	SIGN.DET		BLUE	31			
16	DTR		GREEN	22			
17	TXD		BLUE	4			
18	RXD		BROWN	14			
19	RTS		BLUE	23			
20	RFS		GREY	33			
21	DSR		ORANGE	34	3		
22	GND		WHITE	16			
23	SIGN.DET		ORANGE	15			
24	DTR		GREEN	5			
25	TXD		ORANGE	24			
26	RXD		BROWN	35			
27	RTS		ORANGE	6			
28	RFS		BLUE	17			
29	DSR		GREEN	18	4		
30	GND		WHITE	37			
31	SIGN.DET		GREEN	36			
32	DTR		BROWN	25			
33							
34							
35							
36							
37							
38							
39							
40							
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64							

INTERNAL CABLE TYPE:
EXTERNAL CABLE TYPE 1: 21 PAIRS ROUND CABLE
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

In 37P end of cable, shielded connected to an earth Faston

Drawn by HO/ma	Remarks	Replacement for	Date
Approved	COVER HARTING FOR PLUG 37		
Date 26.04.83		Replaced by	Date

Cable specification ND-100 to local devices.

SIGNAL NAME AND DIRECTION	INTERFACE ND.NO		DEVICES (continued).				
	ND 271 ND 272		ND271/272 Computer link	ND 711 Computer link	NTB V24	ND 298/99 Simex Treminal	ND 235 Dataprod. DP 55
PLUG	25 P		25 P	Burndy/42	8 P NTB	25 S	25 P
COVER	Harting		Harting			Amp	Modem
Screen	Faston		Faston			1	1
TXD --->	2		3	K	NC	3	3
RXD <---	3		2	A	3	2	2
RTS --->	4		NC	NC	NC	NC	NC
RFS <---	5		NC	NC	NC	NC	19
DSR <---	6		NC	NC	NC	NC	NC
GND ----	7		7	M	4	7	7
DCD <---	8		NC	NC	NC	NC	NC
DTR --->	20		NC	NC	NC	NC	5
XXX --->	NU		NC	NC	NC	NC	NC
Straps in NORD end.			20-8-5	E-J-F	5-8-20	5-6-8-20	20-8
Straps in.device end.			20-8-5	E-J-F		4-5-6-8- -20	
Part no Drawing	ND 271/272		325424	325425	325416		325420
Part no Drawing							
Flowcontrol method possible in cable.			ND-NET	ND-NET			DTR XON/XOFF

NORSK DATA A.S	Title: INTERNAL CABLE ND - 100 PIOC	Drawing No. 3-9567 322979

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL FEMALE EXT.CAB. MALE COVER HARTING 25 PIN PLUG PIN NO.	DEVICE PLUG PIN NO.		
1	CHASSIS		c 1	1		V1 - B connector	
2			a 1	14		V3 - A connector	
3	TXD		c 2	2			
4	TXC		a 2	15		Used for	
5	RXD		c 3	3			
6			a 3	16			
7	RTS		c 4	4		1 - PIOC TO V-TYPE MODEM	
8	RXC		a 4	17		25 PIN "D" (V.24)	
9	RFS		c 5	5		- PIOC TO V-DCE	
10	UTC		a 5	18		(X.21 bis)	
11	DSR		c 6	6		- User defined	
12	VLEV		a 6	19		V.24 (RS232c)	
13	GND		c 7	7		equipment	
14	DTR		a 7	20			
15	SIGN. DET.		c 8	8			
16			a 8	21			
17			c 9	1			
18	TB		a 9	14		X1 - B connector	
19	TA		c 10	2		X3 - A connector	
20	CB		a 10	15			
21	CA		c 11	3		Used for	
22	RB		a 11	16			
23	RA		c 12	4		2 - PIOC TO X-21 M[illegible]M	
24	IA		a 12	17		15 PIN "D"	
25	IB		c 13	5		- PIOC computer-	
26	SB		a 13	18		link	
27	SA		c 14	6			
28	UB		a 14	19			
29	UA		c 15	7			
30	YB		a 15	20			
31	GND		c 16	8			
32	YA		a 16	21			
33	CHASSIS		c 17	1			
34			a 17	14		V2 - B connector	
35	TXD		c 18	2		V4 - A connector	
36			a 18	15			
37	RXD		c 19	3		Used for	
38			a 19	16			
39	RTS		c 20	4		3 - as V1/V3	
40			a 20	17			
41	RFS		c 21	5			
42			a 21	18			
43	DSR		c 22	6			
44			a 22	19			
45	GND		c 23	7			
46	DTR		a 23	20			
47	SIGN. DET.		c 24	8			
48			a 24	21			
49	CHASSIS		c 25	1			
50	TB		a 25	14		X2 - B connector	
51	TA		c 26	2		X4 - A connector	
52	CB		a 26	15			
53	CA		c 27	3		Used for	
54	RB		a 27	16			
55	RA		c 28	4		4 - as X1/X3	
56	IA		a 28	17			
57	IB		c 29	5			
58	SB		a 29	18			
59	SA		c 30	6			
60	UB		a 30	19			
61	UA		c 31	7			
62	YB		a 31	20			
63	GND		c 32	8			
64	YA		a 32	21			

INTERNAL CABLE TYPE : 64 wire flatcable

EXTERNAL CABLE TYPE 1: SEE DRAWING NO. 3-9501B

EXTERNAL CABLE TYPE 2: SEE DRAWING NO. 3-9329C

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4: SEE DRAWING NO. 3-9566

Drawn by HO/mg	Remarks	Replacement for	Date
Approved	A&B CONNECTOR		
Date 27.5.82		Replaced by	Date

NORSK DATA A.S

W I R I N G S L I S T

322968/322969	Pertec M-T Controller	Internal Cable N-100	3-9312
322957/322958	Bus Address(N-10 BUS)	Internal Cable N-100	3-9313
322957/322958	Bus Data/Bus Control(N-10)	Internal Cable N-100	3-9314
322976/322977	MPM Data + Control	Internal Cable N-100	3-9315
322976/322977	MPM Address + Control	Internal Cable N-100	3-9316
322868	4. Terminal Interface	Asynchron Modem N-100	3-9317
322978/322979	4. Terminal Interface	N-100	3-9318
322730	4. Terminal Interface	Infoton Display N-100	3-9319
322730	4. Terminal Interface	Decwriter N-100	3-9321
322476	4. Terminal Interface	Tandberg TDV 2115 N-100	3-9322
322970/322971	10 MB Disc 3004	Internal Cable N-100	3-9323
322803	Operator Panel	Console Terminal N-100	3-9324
Ikke struktur	Autoload	Cable for N-100	3-9325
Ikke struktur	HDLC	Internal Cable N-100	3-9326
322966/322967	Floppy Disc	Cable for N-100	3-9327
322870	HDLC Interconn. HDLC -	HDLC Link Ext.cab. N100-N10/S	3-9328C
322872	HDLC to Modem	External Cable for N-100	3-9329B
322871	HDLC Interconn. HDLC -	HDLC Link ext.cab.N100-N100	3-9330
322960/322961	Camac Address	Internal Cable N-100	3-9331
322960/322961	Camac Data/Contrøl	Internal Cable N-100	3-9332
322920	Pertec M-T Controller	External Cable A	3-9339
322920	Pertec M-T Controller	External Cable B	3-9340
322922	10 MB Disc	External Cable A N-100	3-9341
322922	10 MB Disc	External Cable B N-100	3-9342
322461	Direct RS 232C for TDV 21/2215	External Cable for N-100	3-9343B
322875	Floppy Disc	External Cable for N-100	3-9352B
322873	4. Terminal Interface	Tally 1612 N-100 (RS232)	3-9365
322867	4. Terminal Interface	Terminet 340 N-100 RS232	3-9366
Ikke struktur	TDV 2000 Current Loop	External Cable N-100	3-9367
322876/322863 ext / int	SMD Contr. 3019 A-con	A-CAble (SMR+SMT) for N-100	3-9370
322876/322863 ext. / int.	SMD Data 3018 A-con	B-Cable Unit 0 (SMC0) A-Cable Unit 1 (SMC1) Internal	3-9371
322876/322863 ext. / int.	SMD Contr. 3018 B-con	B-Cable Unit 2 (SMC2) & Card Communication Cable Internal	3-9372
322876/322863	SMD Data 3019 B-con	A-Cable Unit 3 (SMC3) & Card Communication Cable Internal	3-9373
322877	SMC	External Cable N-100	3-9375
322861	Phoenix Disc Cab. "B"	Internal Cable mounted in N-100 Cab.	3-9376
322860	Phoenix Disc Cab. "A"	Internal Cable mounted in N-100 Cab.	3-9377

OBS! Versions B,C etc. indicate an updated list.

/2.........

322858/322856 ext. / int.	STC MT Contr. - STC MT Form. Int.+Ext. Cable N-100	3-9379C
	STC MT Contr. - STC MT Form. Int.+Ext. Cable N-100	3-9380C
322937	4. Terminal Interface Cab. Between N100 and KM-1D RS 232	3-9381B
322873	KM-1D - Tally 1612	3-9383
322494	KM-1D - Terminet 340	3-9384
322493	KM-1D to KM-1D via terminalopplegg (849-tlx)	3-9386B
322953	Cable N-500/n-100 I/O	3-9387
322866	Megalink Interconn. External Cable N-100/N-100	3-9388
322986	Pertec Plug Panel 1980	3-9389 B
322923	From N100 to ND 845 for Equipment that need up to 16 signals	3-9390
322927	External Cable from Multiswitch to Sync. Modem	3-9391
322925	From N-10 to ND 845 1:1 for equipment that need up to 16 signals	3-9392
322869	External Cable for N-100 RS 232 Diablo 1640/1650	3-9393
ikke struktur	Adapter form Plug 25P to plug 37S 1:1 for equipment needs up to 16 signals	3-9394
322730	Tally 1602/1612 Current Loop External cable for N-100	3-9395
322985	Pertec FT 9640-98 MT Cab. used with 1980 Adapter	3-9396
322985	Pertec FT 9649-98 MT Cab. used with 1980 Adapter	3-9397
322985	Internal Cable P4-P5 in MT Cab. used with 1980 adapter	3-9398
322803	Operator Panel Console Terminal with RS 232 and Current Loop N-100	3-9399
ikke struktur	HDLC to X-21 External Cable N-100	3-9501
322588	1981 PCB Operator Panel Cable for N-500	3-9[illegible]2
322468	4. Terminal Interface for N-100 Tandberg TDV 2215	3-9503
ikke struktur	External Cable N-100 RS 232 Tektronix 4663 Plotter	3-9507
ikke struktur	External Cable N-100 RS 232 Omni 800	3-9508
ikke struktur	External Cable N-100 RS 232 Facit 4540	3-9509
ikke struktur	External Cable N-100 RS 232C Tektronix 4006	3-9510B
ikke struktur	Internal Cable Universal DMA for N-100 Cable A	3-9530
ikke struktur	Internal Cable Universal DMA for N-100 Cable B	3-9531
322944	External Cable Epson MX 80 to TDV 2215	3-9534
322943	External Cable Epson MX 80 N-100	3-9535C
322463/322462	Floppy Disc Cable for N-100	3-9536

OBS! Versions B,C etc. indicate an updated list.

/3......

325301 XX	4 Terminal Interfaces for N-100 to Philips GP 300 L Printer	3-9557
325300 XX	Cable: KM-1D - Philips GP 300 L	3-9569
325315 XX	Cable Ext. Current Loop N-100 - Facit 4420	3-9570
322979	Internal Cable ND-100 PIOC	3-9567

OBS! Versions B,C etc.indicate an updated list.

NORSK DATA A.S

W I R I N G S L I S T

ext. / int.			
322975	16 Bit Digital Output		4-9410
322975	16 Bit Digital Input/Output		4-9411
322885/322975	Documentation Card Reader		4-9412
322975	Programmable Clock 1166		4-9413
322975	Data Product LP	W/Parallell Byte Output 1109	4-9414B
322975	Centronics LP	W/Parallell Byte Output 1109	4-9415
322975	Loga Box MP	W/Parallell Byte Output 1109	4-9416
322975	CDC Matrix Printer	W/Parallell Byte Output 1109	4-9417
322975	Queme	w/Parallell Byte Output 1109	4-9418
322975	Facit Punch	W/Parallell Byte Output 1109	4-9[illegible]9
322975	AD Converter	N-10 Standard	4-9420
322975	Prosess Input		4-9421
322975	Prosess Output		4-9422
322717/322975	Synchronous Modem		4-9428
322975	Tally Matrix Printer		4-9429
322975	Calcomp Plotter		4-9430
322878/322975	CDC Line Printer		4-9431
322478/322975	Digitronics Tape Reader	Device Plug	4-9432
322479/322975	Facit 4070	Device Plug	4-9433
322975	16 Bit Digital Input		4-9434
322938	External Cable SMC 1:1		4-9438
322849/322975	Terminet 340 1095 Mod. Current Loop		4-9440
322941	Adapter from Ansley to Burndy Plug N100 Main I/O Bus Control		4-94[illegible]2
322942	Adapter from Ansley to Burndy Plug N100 Main I/O Bus Data		4-9443
322940	Adapter from Ansley to Burndy Plug N100 Main I/O Bus Address		4-9444
322879/322975	CDC Data Printer	1047 Card used on 3009 card	4-9445D
322874/322975	Terminet 310/320/330/340 Buffered Parallell w/parallell byte output 1109 used on 3009 card		4-9446
322919	Tandberg TDV 21/2215	Asynchronous Modem	4-9447B
322713	TTY w/Telexplug (TWX)	TDV 2115 w/Telexplug (2115WX)	4-9448B
322864	NTB Teleprinter Interface Device Cable with 1-4 plug modified 3013 Card		4-9449B
322865	NTB Teleprinter Interface Device Cable with 3-4 plug modified 3013 Card		4-9450
ikke struktur	Connection between Eurobus 3008 card A connector and N10-I/O Mainbus Address used in 11 moduls cabinet.		4-9451
ikke struktur	Connection between Eurobus 3008 card B connector and N10-I/O Mainbus Data and Control used in 11 mod. cab.		4-9452B

OBS! Versions B,C etc. indicate an updated list. /2

NORSK DATA A.S

W I R I N G S L I S T

:. / int.		
322924/322975	External Cable N-100 to Multiswitch ND 845	4-9453
322778	Connection between 1964 and 4 pos. Key Switch	4-9455
322778	Nord-100 Key Switch Connection	4-9456
322483	TTY w/Telexplug (TWX) TDV 2215 w/Telexplug (2215WX)	4-9457B
	Process-Watchdog 1113 card used on 3009 card	4-9460
325316 XX	TTY W/TELEXPLUG (TWX) TO FACIT 4420	4-9464

OBS! Versions B,C etc. indicate an updated list.

NORSK DATA A.S	Title: CABL. INT. DMA/ADDR. EXTENDER N-10 TO N-100	Drawing No. 322844

WIRE NO	SIGNAL	POLARITY	EUROPLUG PIN NO	CARD 1096 PLUG 1 3M 3307	CARD 1153 PLUG 2 3M 3307		
01	MAL 15	0	c 1	95			
02	MAL 15	1	a 1	94			
03	MAL 14	0	c 2	93			
04	MAL 14	1	a 2	92			
05	MAL 13	0	c 3	91			
06	MAL 13	1	a 3	90			
07	MAL 12	0	c 4	89			
08	MAL 12	1	a 4	88			
09	MAL 11	0	c 5	87			
10	MAL 11	1	a 5	86			
11	MAL 10	0	c 6	85			
12	MAL 10	1	a 6	84			
13	MAL 9	0	c 7	83			
14	MAL 9	1	a 7	82			
15	MAL 8	0	c 8	81			
16	MAL 8	1	a 8	80			
17	MAL 7	0	c 9	79			
18	MAL 7	1	a 9	78			
19	MAL 6	0	c 10	77			
20	MAL 6	1	a 10	76			
21	MAL 5	0	c 11	75			
22	MAL 5	1	a 11	74			
23	MAL 4	0	c 12	73			
24	MAL 4	1	a 12	72			
25	MAL 3	0	c 13	71			
26	MAL 3	1	a 13	70			
27	MAL 2	0	c 14	69			
28	MAL 2	1	a 14	68			
29	MAL 1	0	c 15	67			
30	MAL 1	1	a 15	66			
31	MAL 0	0	c 16	65			
32	MAL 0	1	a 16	64			
33	MAL 17	0	c 17		95		
34	MAL 17	1	a 17		94		
35	MAL 16	0	c 18		93		
36	MAL 16	1	a 18		92		
37	MWRITE	0	c 19		91		
38	MWRITE	1	a 19		90		
39	MREQ	0	c 20		89		
40	MREQ	1	a 20		88		
41	MAL 18	0	c 21		87		
42	MAL 18	1	a 21		86		
43	MAL 19	0	c 22		85		
44	MAL 19	1	a 22		84		
45	MAL 20	0	c 23		83		
46	MAL 20	1	a 23		82		
47	MAL 21	0	c 24		81		
48	MAL 21	1	a 24		80		
49	MAL 22	0	c 25		79		
50	MAL 22	1	a 25		78		
51	MAL 23	0	c 26		77		
52	MAL 23	1	a 26		76		
53			c 27		75		
54			a 27		74		
55			c 28		73		
56	WE	0	a 28		NC		
57			c 29		NC		
58	AC 16	0	a 29		NC		
59			c 30		69		
60			a 30		68		
61			c 31		67		
62			a 31		66		
63			c 32		65		
64			a 32		64		

INTERNAL CABLE TYPE : 64 WIRE FLATCABLE
EXTERNAL CABLE TYPE 1:
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Drawn by HO/ma	Remarks	Replacement for	Date
Approved	Changed the card number from 1098 to 1096 26.01.84 LB		
Date 07.11.83		Replaced by	Date

NORSK DATA A.S	Title: INTERNAL CABLE N-100 CAMAC DATA / CAMAC CONTROL	Drawing No. 3-9332

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL 2x37 PIN "D" CONNECTOR PIN NO.	DEVICE PLUG 132 PIN PIN NO.	DEVICE PLUG 88 PIN PIN NO.	
01	MBD 0	1	c 1	1	1	1	
02	MBD 0	0	a 1	20	41	2	
03	MBD 1	1	c 2	2	2	3	
04	MBD 1	0	a 2	21	23	4	
05	MBD 2	1	c 3	3	3	5	
06	MBD 2	0	a 3	22	24	6	
07	MBD 3	1	c 4	4	4	7	
08	MBD 3	0	a 4	23	25	8	
09	MBD 4	1	c 5	5	5	9	
10	MBD 4	0	a 5	24	26	10	
11	MBD 5	1	c 6	6	6	11	
12	MBD 5	0	a 6	25	27	12	
13	MBD 6	1	c 7	7	7	13	
14	MBD 6	0	a 7	26	28	14	
15	MBD 7	1	c 8	8	8	15	
16	MBD 7	0	a 8	27	29	16	#1
17	MBD 8	1	c 9	9	9	17	
18	MBD 8	0	a 9	28	30	18	
19	MBD 9	1	c 10	10	10	19	
20	MBD 9	0	a 10	29	31	20	
21	MBD 10	1	c 11	11	12	21	
22	MBD 10	0	a 11	30	11	22	
23	MBD 11	1	c 12	12	13	23	
24	MBD 11	0	a 12	31	32	24	
25	MBD 12	1	c 13	13	14	25	
26	MBD 12	0	a 13	32	33	26	
27	MBD 13	1	c 14	14	15	27	
28	MBD 13	0	a 14	33	34	28	
29	MBD 14	1	c 15	15	16	29	
30	MBD 14	0	a 15	34	35	30	
31	MBD 15	1	c 16	16	17	31	
32	MBD 15	0	a 16	35	36	32	
33			c 17				
34			a 17				
35			c 18				
36			a 18				
37			c 19				
38			a 19				
39	MINPUT	0	c 20	1	94	78	
40	MINPUT	1	a 20	20	77	77	
41	MCONNECT	0	c 21	2	93	72	
42	MCONNECT	1	a 21	21	76	71	
43	MREQ	0	c 22	3	95	74	
44	MREQ	1	a 22	22	78	73	
45	MINT 15	0	c 23	4			
46	MINT 15	1	a 23	23			
47	MINT 13	0	c 24	5	100	86	
48	MINT 13	1	a 24	24	83	85	
49	MINT 12	0	c 25	6	99	84	
50	MINT 12	1	a 25	25	82	83	#2
51	MINT 11	0	c 26	7	98	82	
52	MINT 11	1	a 26	26	81	81	
53	MINT 10	0	c 27	8	97	80	
54	MINT 10	1	a 27	27	80	79	
55	IDENTL	1	c 28	9	56	67	
56	IDENTL	0	a 28	28	73	68	
57	MIOXE	1	c 29	10	55	65	
58	MIOXE	0	a 29	29	72	66	
59	GRANTL	1	c 30	11	57	69	
60	GRANTL	0	a 30	30	74	70	
61	MCLL	1	c 31	12	84	87	
62	MCLL	0	a 31	31	103	88	
63	DRYL	1	c 32	13	79	75	
64	DRYL	0	a 32	32	96	76	

INTERNAL CABLE TYPE : 64 wire Flatcable

#1: Data

#2: Control

Drawn by	HO/kha	Remarks	Replacement for	Date
Approved		B-connector on 3008		
Date	29.6.79		Replaced by	Date

NORSK DATA A.S	Title: EXTERNAL CABLE FOR N-100 TDV 2000 CURRENT LOOP	Drawing No. 3-9367

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	COMPUTER END PLUG 25 PIN COVER HARTING PIN NO.	DEVICE PLUG PIN 25 S COVER MODEM PIN NO.		
01	CHASSIS			1			
02				* 14, 19			
03	TXD			2			
04	11+			15	1		
05	RXD			3			
06	12-			16	17		
07	RTS			4			
08	01+			17	2		
09	RFS			5			
10	02-			18	15		
11	DSR			6			
12				* 19, 14			
13	GND			7			
14	DTR			20			
15	SIGN, DET.			8			
16				21			
17							
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INTERNAL CABLE TYPE :

EXTERNAL CABLE TYPE 1: 4 pair shielded round cable

Strap in device plug:

3 - 12 - 25
5 - 6 - 22
21 - 24

Pin 20 in the device plug is connected to cable. shield.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable

* Strap in external cable.

Drawn by: TF/ho	Remarks: SHIELDED CONNECTOR IN COMPUTER END	Replacement for	Date
Approved		Replaced by	Date
Date: 13.12.79			

NORSK DATA A.S	Title: INTERNAL CABLE "B" FOR PHOENIX DISC MOUNTED IN NORD-100 CABINET	Drawing No. 3-9376

WIRE NO.	SIGNAL	POLARITY	PLUG BERG 65043-024 (26 PIN)		PLUG AMP (A-MP201357-1) P 72-52		
01	WDL	1	20		B		
02	WDL	0	8		A		
03	WRCL	1	19		J		
04	WRCL	0	6		H		
05	SERCL	1	14		N		
06	SERCL	0	2		M		
07	RDDL	1	16		V		
08	RDDL	0	3		U		
09	RCL	1	17		X		
10	RCL	0	5		W		
11	SEEKEL	1	23		CC		
12	SEEKEL	0	10		AA		
13	USL	1	9		BB		
14	USL	0	22		DD		
15	SECTL	1	26		FF		
16	SECTL	0	13		JJ		
17	INDEXL	1	24		EE		
18	INDEXL	0	12		HH		
19	GND		1		D		
20	GND		4		E		
21	GND		7		K		
22	GND		11		T		
23	GND		15		Y		
24	GND		18		NOT USED		
25	GND		21		NOT USED		
26	GND		25		NOT USED		
27							
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INTERNAL CABLE TYPE : 26 wire twist and flat
EXTERNAL CABLE TYPE 1:
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Drawn by: HO/kha	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date: 16.01.80			

NORSK DATA A.S	Title INTERNAL CABLE "A" FOR PHOENIX DISC MOUNTED IN NORD-100 CABINET	Drawing No. 3-9377

WIRE NO.	SIGNAL	POLARITY	PLUG BERG 65043-007 (60 PIN)		PLUG AMP (A-MP 201310-1) P 73-26		
01	TAG1L	1	31		49		
02	TAG1L	0	1		46		
03	TAG2L	1	32		51		
04	TAG2L	0	2		48		
05	TAG3L	1	33		55		
06	TAG3L	0	3		52		
07	B0L	1	34		26		
08	B0L	0	4		23		
09	B1L	1	35		27		
10	B1L	0	5		24		
11	B2L	1	36		31		
12	B2L	0	6		28		
13	B3L	1	37		32		
14	B3L	0	7		29		
15	B4L	1	38		33		
16	B4L	0	8		30		
17	B5L	1	39		37		
18	B5L	0	9		34		
19	B6L	1	40		38		
20	B6L	0	10		35		
21	B7L	1	41		39		
22	B7L	0	11		36		
23	B8L	1	42		43		
24	B8L	0	12		40		
25	B9L	1	43		44		
26	B9L	0	13		41		
27	OPENCL	1	44		20		
28	OPENCL	0	14		16		
29	FAULTL	1	45		14		
30	FAULTL	0	15		11		
31	SEEKERL	1	46		78		
32	SEEKERL	0	16		75		
33	ONCYLL	1	47		18		
34	ONCYLL	0	17		15		
35	INDEX	1	48		SPARE		
36	INDEX	0	18		SPARE		
37	READYL	1	49		21		
38	READYL	0	19		17		
39	ADR M FOUND	1	50		SPARE		
40	ADR M FOUND	0	20		SPARE		
41	NOT USED	1	51		SPARE		
42	NOT USED	0	21		SPARE		
43	SUSL	1	52		25		
44	SUSL	0	22		22		
45	US0L	1	53		04		
46	US0L	0	23		01		
47	US1L	1	54		05		
48	US1L	0	24		02		
49	SEKTOR	1	55		SPARE		
50	SEKTOR	0	25		SPARE		
51	US2L	1	56		07		
52	US2L	0	26		03		
53	US3L	1	57		12		
54	US3L	0	27		08		
55	WRITE PROTECT	1	58		SPARE		
56	WRITE PROTECT	0	28		SPARE		
57	POW S P	1	29		SPARE		
58		0					
59	POW S H	1	59		SPARE		
60		0					
61	NOT USED	1	60		SPARE		
62	NOT USED	0	30		SPARE		
63							
64							

INTERNAL CABLE TYPE : 60 wire twist and flat

EXTERNAL CABLE TYPE 1:

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

Drawn by HO/kha	Remarks	Replacement for	Date
Approved			
Date 16.01.80		Replaced by	Date

NORSK DATA A.S	Title EXTERNAL & INTERNAL CABLE FOR N-100 STC MAGTAPE CONTROLLER TO STC MAGTAPE FORMATTER	Drawing No. 3-9380 C

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL 2x37 PIN D-CONNCTOR PIN NO.	DEVICE PLUG ND PLUG PAN. 2x37 PIN PIN NO.	DEVICE PLUG PLUG PANEL IN TAPE FORMATTER	
01	AD0	0	ac 01	P1- 1	P1- 1	A4-A01	
02	GND		aa 01	P1-20	P1-20	A4-B01	
03	AD1	0	ac 02	P1- 2	P1- 2	A4-A02	
04	GND		aa 02	P1-21	P1-21	A4-B02	
05	CMD0	0	ac 03	P1- 3	P1- 3	A4-A03	
06	GND		aa 03	P1-22	P1-22	A4-B03	
07	CMD1	0	ac 04	P1- 4	P1- 4	A4-A04	
08	GND		aa 04	P1-23	P1-23	A4-B04	
09	CMD2	0	ac 05	P1- 5	P1- 5	A4-A05	
10	GND		aa 05	P1-24	P1-24	A4-B05	
11	CMD3	0	ac 06	P1- 6	P1- 6	A4-A06	
12	GND		aa 06	P1-25	P1-25	A4-B06	
13	DSO	0	ac 07	P1- 7	P1- 7	A4-A07	
14	GND		aa 07	P1-26	P1-26	A4-B07	
15	START	0	ac 08	P1- 8	P1- 8	A4-A08	
16	GND		aa 08	P1-27	P1-27	A4-B08	
17	STOP	0	ac 09	P1- 9	P1- 9	A4-A09	
18	GND		aa 09	P1-28	P1-28	A4-B09	
19	TRAK	0	ac 10	P1-10	P1-10	A4-A10	
20	GND		aa 10	P1-29	P1-29	A4-B10	
21	DAT-P	0	ac 11	P1-11	P1-11	A4-A11	
22	GND		aa 11	P1-30	P1-30	A4-B11	
23	DATA-0	0	ac 12	P1-12	P1-12	A4-A12	
24	GND		aa 12	P1-31	P1-31	A4-B12	
25	DATA-1	0	ac 13	P1-13	P1-13	A4-A13	
26	GND		aa 13	P1-32	P1-32	A4-B13	
27	DATA-2	0	ac 14	P1-14	P1-14	A4-A14	
28	GND		aa 14	P1-33	P1-33	A4-B14	
29	DATA-3	0	ac 15	P1-15	P1-15	A4-A15	
30	GND		aa 15	P1-34	P1-34	A4-B15	
31	DATA-4	0	ac 16	P1-16	P1-16	A4-A16	
32	GND		aa 16	P1-35	P1-35	A4-B16	
33	DATA-5	0	ac 17	P1-17	P1-17	A4-A17	
34	GND		aa 17	P1-36	P1-36	A4-B17	
35	DATA-6	0	ac 18	P1-18	P1-18	A4-A18	
36	GND		aa 18	P1-37	P1-37	A4-B18	
37	DATA-7	0	ac 19	P2- 1	P2- 1	A4-A19	
38	GND		aa 19	P2-20	P2-20	A4-B19	
39	RESET	0	ac 20	P2- 2	P2- 2	A4-A20	
40	GND		aa 20	P2-21	P2-21	A4-B20	
41	MUX0	0	ac 21	P2- 3	P2- 3	A4-A21	
42	GND		aa 21	P2-22	P2-22	A4-B21	
43	MUX1	0	ac 22	P2- 4	P2- 4	A4-A22	
44	GND		aa 22	P2-23	P2-23	A4-B22	
45	DS1	0	ac 23	P2- 5	P2- 5	A4-A23	
46	GND		aa 23	P2-24	P2-24	A4-B23	
47	MUX2	0	ac 24	P2- 6	P2- 6	A4-A24	
48	GND		aa 24	P2-25	P2-25	A4-B24	
49	SSC	0	ac 25	P2- 7	P2- 7	A4-A25	
50	GND		aa 25	P2-26	P2-26	A4-B25	
51	OSC[illegible]	0	ac 26	P2- 8	P2- 8	A4-A26	
52	GND		aa 26	P2-27	P2-27	A4-B26	
53	EOTS	0	ac 27	P2- 9	P2- 9	A4-A27	
54	GND		aa 27	P2-28	P2-28	A4-B27	
55	BOTS	0	ac 28	P2-10	P2-10	A4-A28	
56	GND		aa 28	P2-29	P2-29	A4-B28	
57	FPTS	0	ac 29	P2-11	P2-11	A4-A29	
58	GND		aa 29	P2-30	P2-30	A4-B29	
59	REWS	0	ac 30	P2-12	P2-12	A4-A30	
60	GND		aa 30	P2-31	P2-31	A4-B30	
61				←→			
62				EXTERNAL			
63				CABLE			
64							

EXTERNAL CABLE TYPE : SPECTRA STRIP TWIST'N FLAT 455-248-60
EXTERNAL CABLE TYPE 1: " " " " " " " " "
EXTERNAL CABLE TYPE 2: " " " " " " " " " } Max lenght 3 m
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Drawn by PHE/kha	Remarks	Replacement for	Date
Approved	Total length of all three cables max. 20 feet.		
Date 21.8.80		Replaced by	Date

NORSK DATA A.S	Title KM-1D TO KM-1D VIA TERMINAL OPPLEGG (849 - telx)	Drawing No. 3-9386B

WIRE NO.	SIGNAL	KM-1D (ND-100) POLARITY	ND 849 EUROPLUG PIN NO.	PLUGPANEL TELX PIN NO	DEVICE PLUG KM-1D PIN NO		
01	REC	1	A	1	3		
02	REC	2	B	2	4		
03	TRANSM.	3	C	4	1		
04	TRANSM.	4	D	3	2		
05							
06	SHIELD	5	H	6	5		
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INTERNAL CABLE TYPE :
EXTERNAL CABLE TYPE 1:
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Drawn by NJN/ma	Remarks	Replacement for Date
Approved		Replaced by Date
Date 15.3.82		

NORSK DATA A.S	Title: TRANSMISSION LINE CABLE BETWEEN NORD KM-1D AND DEVICE KM-1D VIA TELEX PLUG OR 8 PIN BURNDY PLUG	Drawing No. 3-9385 C

WIRE NO.	KM-ID SIGNAL NAME	NORD KM-1D SCREW TERMINALS AMP PINS	TELEX PLUG MALE PIN NO.	CROSS COUPLING BOX 8-PIN BURNDY MALE	TELEX PLUG MALE PIN NO.	DEVICE KM-1D SCREW TERMINALS	COLOUR CODE
01	RECEIVER	1	1	A	1	5	BROWN
02	RECEIVER	2	2	B	2	6	BLACK
03	TRANSMITTER	5	4	C	4	1	GREEN
04	TRANSMITTER	6	3	D	3	2	BLACK
05							
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Cable type: 4 pair round with Screen
Shield connected to pin H 8 pins Burndy male
and Pin 6 in Telex plug Male

Drawn by: HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date: 24.9.81			

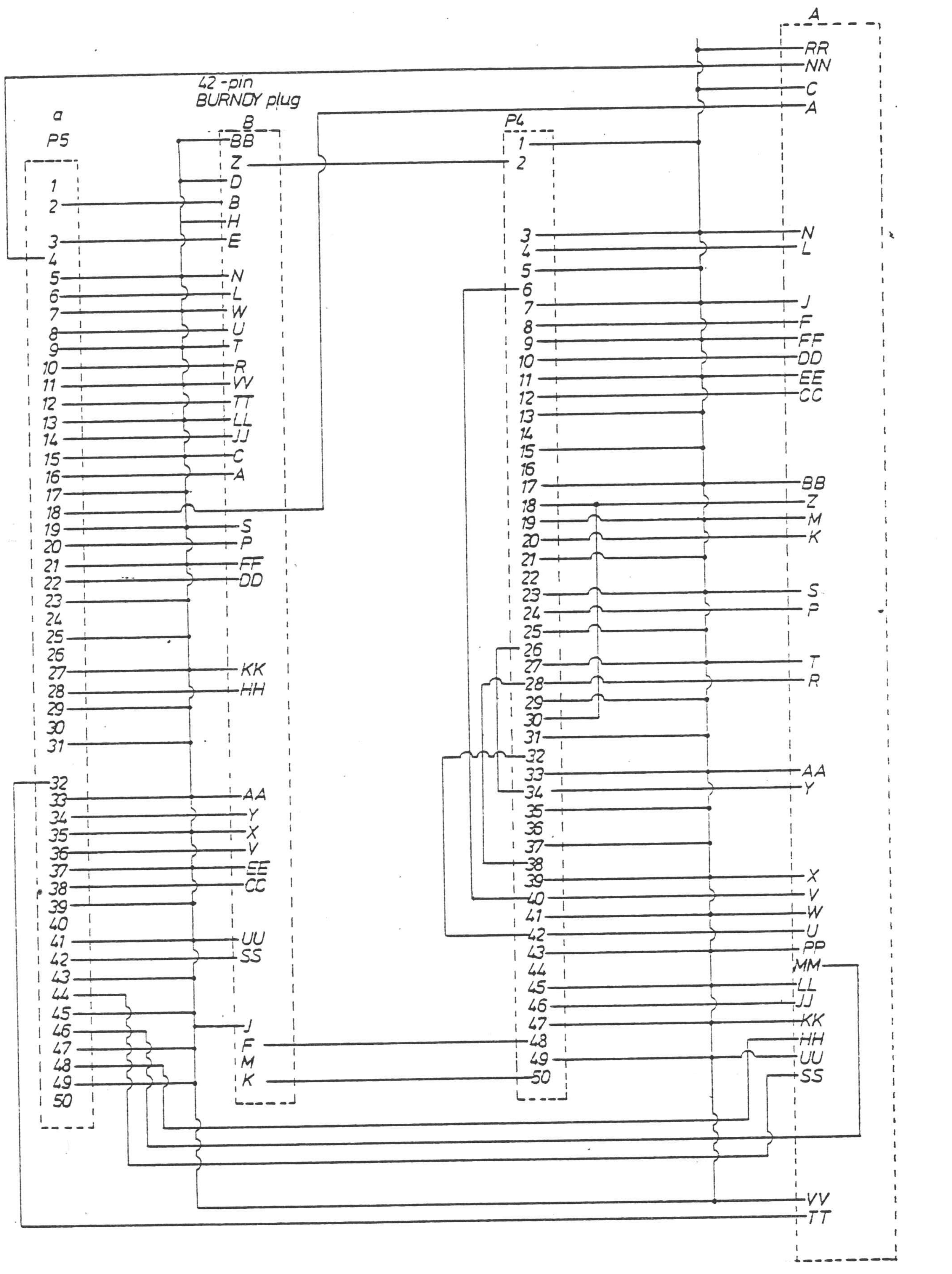
NORSK DATA A.S	Title INTERNAL - EXTERNAL CABLE N— 500 - N - 100 I/O	Drawing No. 3 - 9387

WIRE NO.	SIGNAL	POLARITY	EUROPLUG IN N - 500 RACK PIN NO.	PLUGPANEL 2x37 PIN D. CON. IN N - 500 PIN. NO.	PLUGPANEL 2x37 PIN D. CON. IN N - 100 PIN. NO.	EUROPLUG IN N - 100 BackWIRING	
01	GROUND		Cc 1	1	1	Ac 1	
02	GROUND		Ca 1	20	20	Aa 1	
03	DBU 0	0	Cc 2	2	2	Ac 2	
04	DBU 0	1	Ca 2	21	21	Aa 2	
05	DBU 1	0	Cc 3	3	3	Ac 3	
06	DBU 1	1	Ca 3	22	22	Aa 3	
07	DBU 2	0	Cc 4	4	4	Ac 4	
08	DBU 2	1	Ca 4	23	23	Aa 4	
09	DBU 3	0	Cc 5	5	5	Ac 5	
10	DBU 3	1	Ca 5	24	24	Aa 5	
11	DBU 4	0	Cc 6	6	6	Ac 6	
12	DBU 4	1	Ca 6	25	25	Aa 6	
13	DBU 5	0	Cc 7	7	7	Ac 7	
14	DBU 5	1	Ca 7	26	26	Aa 7	
15	DBU 6	0	Cc 8	8	8	Ac 8	1
16	DBU 6	1	Ca 8	27	27	Aa 8	
17	DBU 7	0	Cc 9	9	9	Ac 9	
18	DBU 7	1	Ca 9	28	28	Aa 9	
19	DBU 8	0	Cc 10	10	10	Ac 10	
20	DBU 8	1	Ca 10	29	29	Aa 10	
21	DBU 9	0	Cc 11	11	11	Ac 11	
22	DBU 9	1	Ca 11	30	30	Aa 11	
23	DBU 10	0	Cc 12	12	12	Ac 12	
24	DBU 10	1	Ca 12	31	31	Aa 12	
25	DBU 11	0	Cc 13	13	13	Ac 13	
26	DBU 11	1	Ca 13	32	32	Aa 13	
27	DBU 12	0	Cc 14	14	14	Ac 14	
28	DBU 12	1	Ca 14	33	33	Aa 14	
29	DBU 13	0	Cc 15	15	15	Ac 15	
30	DBU 13	[illegible]	Ca 15	34	34	Aa 15	
31	DBU 14	0	Cc 16	16	16	Ac 16	
32	DBU 14	1	Ca 16	35	35	Aa 16	
33	DBU 15	0	Cc 17	1	1	Ac 17	
34	DBU 15	1	Ca 17	20	20	Aa 17	
35	TIN 0	0	Cc 18	2	2	Ac 18	
36	TIN 0	1	Ca 18	21	21	Aa 18	
37	TIN 1	0	Cc 19	3	3	Ac 19	
38	TIN 1	1	Ca 19	22	22	Aa 19	
39	TIN 2	[illegible]	Cc 20	4	4	Ac 20	
40	TIN 2	1	Ca 20	23	23	Aa 20	
41	TIN 3	0	Cc 21	5	5	Ac 21	
42	TIN 3	[illegible]	Ca 21	24	24	Aa 21	
43	TIN 4	0	Cc 22	6	6	Ac 22	
44	TIN 4	1	Ca 22	25	25	Aa 22	
45	UNLOCK	0	Cc 23	7	7	Ac 23	
46	UNLOCK	1	Ca 23	26	26	Aa 23	2
47	PWR. FAIL	0	Cc 24	8	8	Ac 24	
48	PWR. FAIL	1	Ca 24	27	27	Aa 24	
49	MSTR. CL	0	Cc 25	9	9	Ac 25	
50	MSTR. CL	1	Ca 25	28	28	Aa 25	
51	RETAG	0	Cc 26	10	10	Ac 26	
52	RETAG	1	Ca 26	29	29	Aa 26	
53	DATA IN	0	Cc 27	11	11	Ac 27	
54	DATA IN	1	Ca 27	30	30	Aa 27	
55	SPARE		Cc 28	12	12	Ac 28	
56	SPARE		Ca 28	31	31	Aa 28	
57	ACTIVATE	0	Cc 29	13	13	Ac 29	
58	ACTIVATE	1	Ca 29	32	32	Aa 29	
59	STOP	0	Cc 30	14	14	Ac 30	
60	STOP	1	Ca 30	33	33	Aa 30	
61	DATA OUT	0	Cc 31	15	15	Ac 31	
62	DATA OUT	1	Ca 31	34	34	Aa 31	
63	GROUND		Cc 32	16	16	Ac 32	
64	GROUND		Ca 32	35	35	Aa 32	

INTERNAL CABLE TYPE: 64 wire flat cable
EXTERNAL CABLE TYPE 1: 64 Wire flat cable
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

External cable
⟵⟶

Drawn by HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date 21.8.80			



PERTEC PLUG PANEL, 1980	Board no.	Drawn 15/ AL.
		Contr.
		Appr.
	Replacement for	
NORSK DATA A.S Oslo, Norway	3-9389	
	Replaced by	

NORSK DATA A.S	Title ADAPTER FROM PLUG 25P to PLUG 37 S 1:1 FOR EQUIPMENT NEEDS UP TO 16 SIGNAL	Drawing No. 3 - 9394

WIRE NO	SIGNAL	POLARITY	EUROPLUG PIN NO	PLUGPANEL 25 P PIN NO	DEVICE PLUG 37 S PIN NO		
01	CHASSIS			1	1		
02				14	20		
03	TXD			2	2		
04	11 +			15	21		
05	RXD			3	3		
06	12 -			16	22		
07	RTS			4	4		
08	01 +			17	23		
09	RFS			5	5		
10	02 -			18	24		
11	DSR			6	6		
12				19	25		
13	GND			7	7		
14	DTR			20	26		
15	SIGN. DET			8	8		
				21	27		

INTERNAL CABLE TYPE :
EXTERNAL CABLE TYPE 1. : 32 CONNDUCTOR FLAT CABLE

Drawn by NJN/ma	Remarks	Replacement for	Date
Approved	MAX LENGHT 0,2 m		
Date 14.10.80		Replaced by	Date

NORSK DATA A.S	Title: PERTEC FT 9640-98 M-T INTERNAL CABLE IN M-T CABINET USED WITH 1980 ADAPTER	Drawing No. 3 - 9396

WIRE	SIGNAL	POLARITY	P4 EDGE CONN. 50 PIN PIN NO.	P4 RC CONN 50 PIN PIN NO			
01	GND		P4 - 1	1			
02	FBY		P4 - 2	2			
03	GND		P4 - 3	3			
04	THR2, LWD		P4 - 4	4			
05	GND		P4 - 5	5			
06	ERASE, W4		P4 - 6	6			
07	GND		P4 - 7	7			
08	GO		P4 - 8	8			
09	GND		P4 - 9	9			
10	DA0,W0		P4 - 10	10			
11	GND		P4 - 11	11			
12	DA1, W1		P4 - 12	12			
13			P4 - 13	13			
14			P4 - 14	14			
15			P4 - 15	15			
16			P4 - 16	16			
17	GND		P4 - 17	17			
18	REV, W2		P4 - 18	18			
19	GND		P4 - 19	19			
20	REW		P4 - 20	20			
21	GND		P4 - 21	21			
22			P4 - 22	22			
23	GND		P4 - 23	23			
24	PAR, W7		P4 - 24	24			
25	GND		P4 - 25	25			
26	WRT, W3		P4 - 26	26			
27	GND		P4 - 27	27			
28	EDIT W6		P4 - 28	28			
29			29	29			
30	REV W2		P4 - 30	30			
31	GND		P4 - 31	31			
32	WFM ,W5		P4 - 32	32			
33	GND		P4 - 33	33			
34	WRT W3		P4 - 34	34			
35			35	35			
36			36	36			
37	GND		P4 - 37	37			
38	EDIT W6		P4 - 38	38			
39	GND		P4 - 39	39			
40	ERASE , W4		P4 - 40	40			
41	GND		P4 - 41	41			
42	WFM W5		P4 - 42	42			
43			P4 - 43	43			
44			44	44			
45	GND		45	45			
46	TAD0		46	46			
47	GND		P4 - 47	47			
48	R2		P4 - 48	48			
49	GND		P4 - 49	49			
50	R3		P4 - 50	50			
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Drawn by HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date 17.11.80			

NORSK DATA A.S	Title PERTEC FT 9640-98 M-T INTERNAL CABLE IN M-T CABINET USED WITH 1980 ADAPTER	Drawing No. 3 - 9397

WIRE NO	SIGNAL	POLARITY	P5 EDGE CONN. 50 PIN PIN NO	P5 RC CONN. 50 PIN PIN NO			
01			P5 - 1	1			
02	R0		P5 - 2	2			
03	R1		P5 - 3	3			
04	LDP		P5 - 4	4			
05	GND		P5 - 5	5			
06	R4		P5 - 6	6			
07	GND		P5 - 7	7			
08	R7		P5 - 8	8			
09	GND		P5 - 9	9			
10	R6		P5 - 10	10			
11	GND		P5 - 11	11			
12	HER		P5 - 12	12			
13	GND		P5 - 13	13			
14	FMK		P5 - 14	14			
15	GND		P5 - 15	15			
16	CCG		P5 - 16	16			
17	GND		P5 - 17	17			
18	FEN		P5 - 18	18			
19	GND		P5 - 19	19			
20	R5		P5 - 20	20			
21	GND		P5 - 21	21			
22	EOT		P5 - 22	22			
23	GND		P5 - 23	23			
24	OFL		P5 - 24	24			
25			P5 - 25	25			
26			P5 - 26	26			
27	GND		P5 - 27	27			
28	RDY		P5 - 28	28			
29			P5 - 29	29			
30			P5 - 30	30			
31	GND		P5 - 31	31			
32	FPT		P5 - 32	32			
33	GND		P5 - 33	33			
34	RSTR		P5 - 34	34			
35	GND		P5 - 35	35			
36	WSTR		P5 - 36	36			
37	GND		P5 - 37	37			
38	DBY		P5 - 38	38			
39			P5 - 39	39			
40			P5 - 40	40			
41	GND		P5 - 41	41			
42	CGR		P5 - 42	42			
43	GND		P5 - 43	43			
44	ONL		P5 - 44	44			
45	GND		P5 - 45	45			
46	TAD1		P5 - 46	46			
47	GND		P5 - 47	47			
48	FAD		P5 - 48	48			
49			P5 - 49	49			
50			P5 - 50	50			
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Drawn by HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date 17.11.80			

NORSK DATA A.S	Title: EXTERNAL CABLE N-100 HDLC TO X-21	Drawing No. 3-9501

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL 2x25 PIN D CONNECTOR PIN NO.	PLUG AMP 164527-1 15.P COWER AMP 206 478-2 PIN NO.		
01				1			
02				14			
03	TDA			2			
04	TCL			15			
05	RDA			3			
06				16			
07	RTS			4			
08	RCL			17			
09	RFS			5			
10				18			
11	DSR			6			
12				19			
13	GND			7			
14	DTR			20			
15	SD			8			
16				21			
17				9			
18	RI			22			
19				10			
20				23			
21				11			
22				24			
23				12			
24				25			
25				13			
26							
27							
28							
29				1			
30	TB			14	9		
31	TA			2	2		
32	TxCB (CB)			15	10		
33	TxCA (CA)			3	3		
34	RB			16	11		
35	RA			4	4		
36	TxCB (IB)			17	12		
37	TxCA (IA)			5	5		
38	RxCB (SA)			18	13		
39	RxCA (SB)			6	6		
40				19			
41				7			
42				20			
43	SIGNAL GND			8	8		
44				21			
45				9			
46	RFS			22			
47	ROTS			10			
48	DSR			23			
49	H			11			
50	SD			24			
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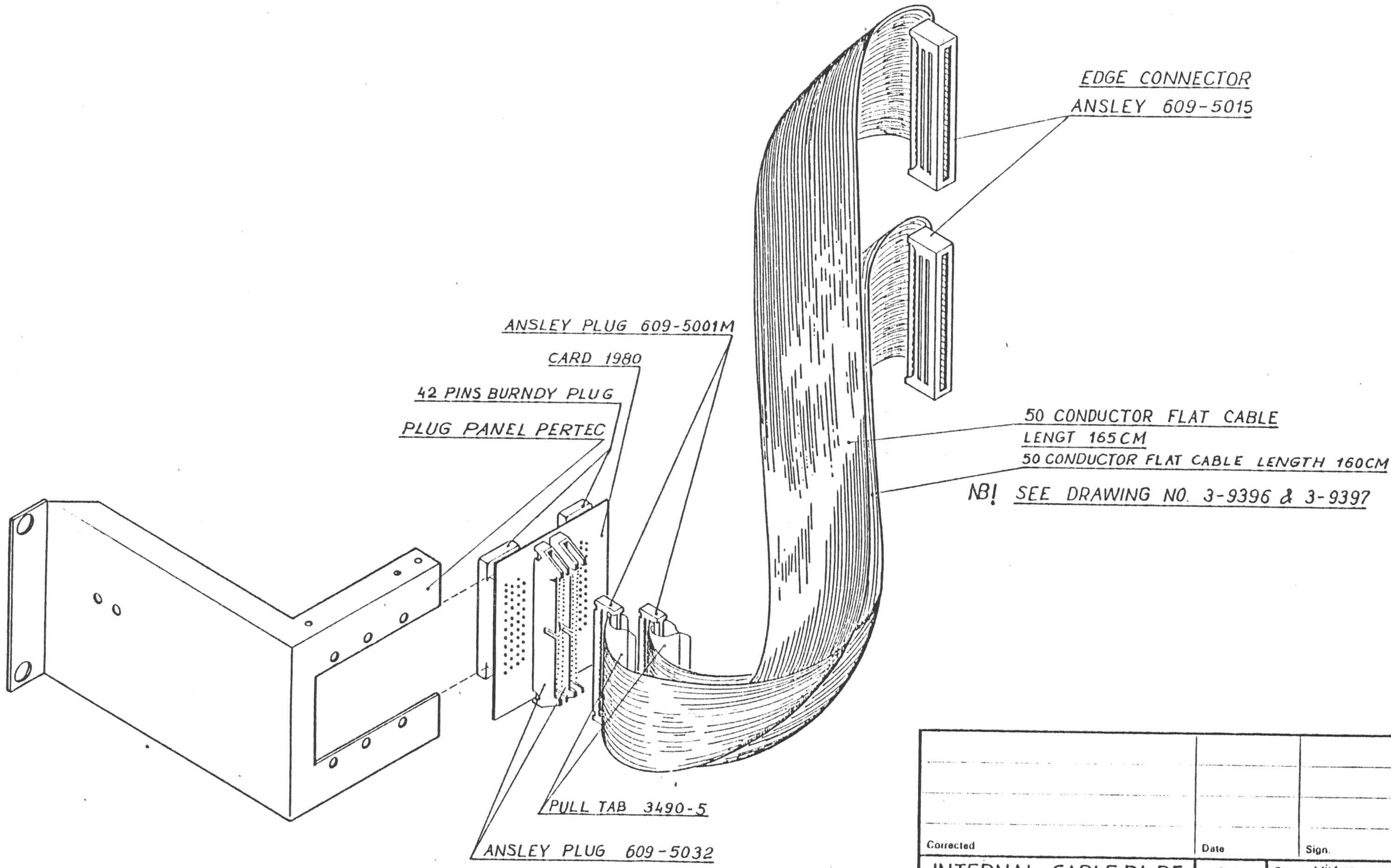
INTERNAL CABLE TYPE :
EXTERNAL CABLE TYPE 1: 12 Pair shielded round cable
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

PIN 1 in the device plug is connected to cable shield.
In the computer end, of ext. cable the shield is connected to an earth strap with faston

Male plug in computer end

Drawn by	HO/ma	Remarks	Replacement for	Date
Approved			Replaced by	Date
Date	06.04.81			



Corrected	Date	Sign.

INTERNAL CABLE P4-P5 IN M.T. CABINET USED WITH 1980 ADOPTER	Scale ≈	Drawn MJM 13.11.80. Contr. Appr.
NORSK DATA A.S Oslo, Norway	Replacement for 3-9398 Replaced by	

NORSK DATA A.S	Title: 1981 PCB OP.PANEL CABLE FOR NORD - 500	Drawing No.: 3 - 9502

WIRE NO.	SIGNAL	POLARITY	N-500 FRAME P12 D-CONNECTOR FOR CABLE TRIPPEL BERG CONNECTOR PIN NO.	PLUG ON 1981 PCB IN OP.PANEL. FOR CABLE DOUBLE BERG CONNECTOR PIN NO.	PLUG PL 8 ON N-500 POWER CONTROL PANEL PIN NO.	TERMINAL STRIP BEHIND N-500 FRAME	COLOUR CODE	WIRE GAUGE
01			DC 1					
02	GND		DA 1	21			BLACK	0,20
03			DC 2					
04	+5V		DA 2	22			GREEN	0,20
05			DC 3					
06			DA 3					
07			DC 4					
08			DA 4					
09			DC 5					
10			DA 5					
11			DC 6					
12			DA 6					
13			DC 7					
14			DA 7					
15			DC 8					
16			DA 8					
17			DC 9					
18			DA 9					
19			DC 10					
20			DA 10					
21			DC 11					
22			DA 11					
23			DC 12					
24			DA 12					
25			DC 13					
26			DA 13					
27			DC 14					
28			DA 14					
29			DC 15					
30			DA 15					
31			DC 16					
32			DA 16					
33	RUNNING		DC 17	30	NC		BROWN	0,20
34	GND		DA 17	29	NC		BLACK	0,20
35	SWMCL		DC 18	34	NC		GREY	0,20
36	GND		DA 18	33	NC		BLACK	0,20
37	DMCL		DC 19	NC	8	1 MI	GREY	0,75
38	GND		DA 19	NC	10	2 GND	BLACK	0,75
39			-			3 MI	GREY	0,75
40						4 GND	BLACK	0,75
41	POWER FAIL		DC 20	NC	9	5 PFINT	WHITE	0,75
42	GND		DA 20	NC	10	6 GND	BLACK	0,75
43					9	7 PFINT	WHITE	0,75
44					10	8 GND	BLACK	0,75
45					12	9 EXT.PF	BROWN	0,75
46					10	10 GND	BLACK	0,75
47								
48								
49								
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64								

INTERNAL CABLE TYPE: TWISTED PAIR IN PVC TUBING

EXTERNAL CABLE TYPE 1:

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

Drawn by: HO/ma	Remarks: NC - NO CONNECTION	Replacement for	Date
Approved		Replaced by	Date
Date: 25.2.81			

NORSK DATA A.S	Title: EXTERNAL CABLE N-100 RS 232 TEKTRONIX 4663 PLOTTER	Drawing No.: 5 - 9507

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	EXT.CAB. MALE COVER HARTING 25 PIN PLUG PIN NO	DEVICE PLUG 25 S MODEM COVER PIN NO.		
01	CHASSIS			1			
02				14			
03	TXD			2	3		
04	11+			15			
05	RXD			3	2		
06	12-			16			
07	RTS			4			
08	01+			17			
09	RFS			5	20		
10	02-			18			
11	DSR			6			
12				19			
13	GND			7	7		
14	DTR			※ 20,8			
15	SIGN. DET.			※ 8,20			
16				21			

INTERNAL CABLE :
EXTERNAL CABLE 1: 4 pair round cable with screen
EXTERNAL CABLE 2:
EXTERNAL CABLE 3:
EXTERNAL CABLE 4:

Pin 1 in the device plug is connected to cable shield.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

※ Strap in external cable.

Drawn by: HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date: 9.4.81			

NORSK DATA A.S	Title EXTERNAL CABLE FOR n-100 RS 232C OMNI 810	Drawing No. 3 - 9508

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	EXT.CAB. MALE COVER HARTING 25 PIN PLUG PIN NO	DEVICE PLUG 25 P MODEM COVER PIN NO.		
01	CHASSIS						
02				1			
03	TXD			14			
04	11+			2	3		
05	RXD			15			
06	12-			3			
07	RTS			16			
08	01+			4			
09	RFS			17			
10	02-			5	11		
11	DSR			18			
12				6			
13	GND			19			
14	DTR			7	7		
15	SIGN. DET.			⁎ 20,8	⁎ 8,6		
16				⁎ 8,20			
				21			

INTERNAL CABLE :
EXTERNAL CABLE 1: 4 pair round cable with screen
EXTERNAL CABLE 2:
EXTERNAL CABLE 3:
EXTERNAL CABLE 4:

Pin 1 in the device plug is connected to cable shield.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

⁎ Strap in external cable.

Drawn by HO/ma	Remarks	Replacement for	Date
Approved			
Date 9.4.81		Replaced by	Date

NORSK DATA A.S	Title EXTERNAL CABLE N-100 RS 232 FACIT 4540	Drawing No. 3 - 9509

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	EXT.CAB.MALE COVER HARTING 25 PIN PLUG PIN NO	DEVICE PLUG 25P MODEM COVER PIN NO.		
01	CHASSIS			1			
02				14	3		
03	TXD			2			
04	11+			15			
05	RXD			3			
06	12-			16			
07	RTS			4			
08	01+			17	* 14,2		
09	RFS			5			
10	02-			18			
11	DSR			6			
12				19	7		
13	GND			7			
14	DTR			* 20,8			
15	SIGN. DET.			* 8,20			
16				21			

INTERNAL CABLE : 64 WIRE FLATCABLE
EXTERNAL CABLE 1: 4 PAIR ROUND CABLE WITH SCREEN
EXTERNAL CABLE 2:
EXTERNAL CABLE 3:
EXTERNAL CABLE 4:

Pin 1 in the device plug is connected to cable shield.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

* Strap in external cable.

Drawn by HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date 9.4.81			

NORSK DATA A.S

Title

EXTERNAL CABLE N-100 RS 232C
TEKTRONIX 4006

Drawing No.

3 - 9510 B

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	EXT.CAB.MALE COVER HARTING 25 PIN PLUG PIN NO	DEVICE PLUG 25 S MODEM COVER PIN NO.		
01	CHASSIS			1			
02				14			
03	TXD			2	3		
04	I1+			15			
05	RXD			3	2		
06	I2-			16			
07	RTS			4			
08	O1+			17			
09	RFS			5			
10	O2-			18			
11	DSR			6			
12				19			
13	GND			7	7		
14	DTR			* 20,8,5			
15	SIGN. DET.			* 8,20,5			
16				NC	* 20,5,6,8		

INTERNAL CABLE :
EXTERNAL CABLE 1: 4 pair round cable with screen
EXTERNAL CABLE 2:
EXTERNAL CABLE 3:
EXTERNAL CABLE 4:

Pin 1 in the device plug is connected to cable shield.
In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

* Strap in external cable.

Drawn by HO/ma

Approved

Date 24.9.81

Remarks

Replacement for | Date

Replaced by | Date

NORSK DATA A.S	Title: INTERNAL CABLE UNIVERSAL DMA FOR N-100 CABLE A	Drawing No: 3 - 9530

WIRE NO:	SIGNAL	POLARITY	EUROPLUG PIN NO	PLUG PANEL 2X25 PIN PIN NO	DEVICE PLUG PIN NO		
01	DATA 0	1	Ac 1	1			
02	DATA 0	0	Aa 1	14			
03	DATA 1	1	Ac 2	2			
04	DATA 1	0	Aa 2	15			
05	DATA 2	1	Ac 3	3			
06	DATA 2	0	Aa 3	16			
07	DATA 3	1	Ac 4	4			
08	DATA 3	0	Aa 4	17			
09	DATA 4	1	Ac 5	5			
10	DATA 4	0	Aa 5	18			
11	DATA 5	1	Ac 6	6	A1		
12	DATA 5	0	Aa 6	19			
13	DATA 6	1	Ac 7	7			
14	DATA 6	0	Aa 7	20			
15	DATA 7	1	Ac 8	8			
16	DATA 7	0	Aa 8	21			
17	CONT 0	1	Ac 9	9			
18	CONT 0	0	Aa 9	22			
19	CONT 1	1	Ac 10	10			
20	CONT 1	0	Aa 10	23			
21	CONT 2	1	Ac 11	11			
22	CONT 2	0	Aa 11	24			
23	CONT 3	1	Ac 12	12			
24	CONT 3	0	Aa 12	25			
25	OUTPUT	1	Ac 13	1			
26	OUTPUT	0	Aa 13	14			
27	COMPLETE	1	Ac 14	2			
28	COMPLETE	0	Aa 14	15			
29	STAT 0	1	Ac 15	3			
30	STAT 0	0	Aa 15	16			
31	STAT 1	1	Ac 16	4			
32	STAT 1	0	Aa 16	17			
33	STAT 2	1	Ac 17	5			
34	STAT 2	0	Aa 17	18			
35	STAT 3	1	Ac 18	6			
36	STAT 3	0	Aa 18	19	A2		
37	STATPASS 1	1	Ac 19	7			
38	STATPASS 1	0	Aa 19	20			
39	REQUEST	1	Ac 20	8			
40	REQUEST	0	Aa 20	21			
41	BUSY	1	Ac 21	9			
42	BUSY	0	Aa 21	22			
43	RESET	1	Ac 22	10			
44	RESET	0	Aa 22	23			
45	GND		Ac 23	11			
46	GND		Aa 23	24			
47	GND		Ac 24	12			
48	GND		Aa 24	25			
49							
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INTERNAL CABLE : 48 WIRE FLAT CABLE

EXTERNAL CABLE 1:

EXTERNAL CABLE 2:

EXTERNAL CABLE 3:

EXTERNAL CABLE 4:

Drawn by: HO/ma	Remarks: CARD 3029	Replacement for	Date
Approved		Replaced by	Date
Date: 7.9.81			

NORSK DATA A.S	Title: INTERNAL CABLE UNIVERSAL DMA FOR N-100 CABLE B	Drawing No.: 3 - 9531

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	PLUG PANEL 2X25 PIN PIN NO	DEVICE PLUG PIN NO		
01	DATA 8	1	Bc 1	1			
02	DATA 8	0	Ba 1	14			
03	DATA 9	1	Bc 2	2			
04	DATA 9	0	Ba 2	15			
05	DATA 10	1	Bc 3	3			
06	DATA 10	0	Ba 3	16			
07	DATA 11	1	Bc 4	4			
08	DATA 11	0	Ba 4	17			
09	DATA 12	1	Bc 5	5			
10	DATA 12	0	Ba 5	18			
11	DATA 13	1	Bc 6	6			
12	DATA 13	0	Ba 6	19	B1		
13	DATA 14	1	Bc 7	7			
14	DATA 14	0	Ba 7	20			
15	DATA 15	1	Bc 8	8			
16	DATA 15	0	Ba 8	21			
17	CONT 4	1	Bc 9	9			
18	CONT 4	0	Ba 9	22			
19	CONT 5	1	Bc 10	10			
20	CONT 5	0	Ba 10	23			
21	CONT 6	1	Bc 11	11			
22	CONT 6	0	Ba 11	24			
23	CONT 7	1	Bc 12	12			
24	CONT 7	0	Ba 12	25			
25	CONTSTROBE	1	Bc 13	1			
26	CONTSTROBE	0	Ba 13	14			
27	DMA ACTIVE	1	Bc 14	2			
28	DMA ACTIVE	0	Ba 14	15			
29	STAT 4	1	Bc 15	3			
30	STAT 4	0	Ba 15	16			
31	STAT 5	1	Bc 16	4			
32	STAT 5	0	Ba 16	17			
33	STAT 6	1	Bc 17	5			
34	STAT 6	0	Ba 17	18			
35	STAT 7	1	Bc 18	6			
36	STAT 7	0	Ba 18	19	B2		
37	STATPASS 2	1	Bc 19	7			
38	STATPASS 2	0	Ba 19	20			
39	ABORT	1	Bc 20	8			
40	ABORT	0	Ba 20	21			
41	+ 5V		Bc 21	9			
42	+ 5V		Ba 21	22			
43	+ 5V		Bc 22	10			
44	+ 5V		Ba 22	23			
45	GND		Bc 23	11			
46	GND		Ba 23	24			
47	GND		Bc 24	12			
48	GND		Ba 24	25			
49							
50							
51							
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INTERNAL CABLE : 48 WIRE FLAT CABLE

EXTERNAL CABLE 1:

EXTERNAL CABLE 2:

EXTERNAL CABLE 3:

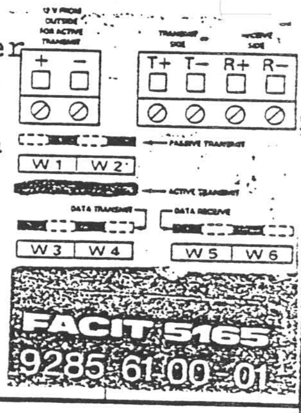
EXTERNAL CABLE 4:

Drawn by: HO/ma	Remarks: CARD 3029	Replacement for	Date
Approved		Replaced by	Date
Date: 7.9.81			

NORSK DATA A.S	CABLE EXT. CURRENT LOOP N-100 - FACIT 4420	3-9570 325315 XX

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO	PLUGPANEL 25-pins "D" MALE COVER HARTING PIN NO:	DEVICE PLUG ADAPTER 5165 PIN NO.		
01	CHASSIS		c 1	1			
02			a 1	14			
03	TXD		c 2	2			
04	I1+		a 2	15	T+		
05	RXD		c 3	3			
06	I2-		a 3	16	T-		
07	RTS		c 4	4			
08	O1+		a 4	17	R+		
09	RFS		c 5	5			
10	O2-		a 5	18	R-		
11	DSR		c 6	6			
12			a 6	19			
13	GND		c 7	7			
14	DTR		a 7	20			
15	SIGN. DET.		c 8	8			
16			a 8	21			

In adapter jumper W1-W2-W3-W4-W5 and W6 must be linked as showen



INTERNAL CABLE : 64 wire flatcable
EXTERNAL CABLE 1: 4 pair round cable with screen
EXTERNAL CABLE 2:
EXTERNAL CABLE 3:
EXTERNAL CABLE 4:

In the computer end of the external cable the shield is connected to an earth strap with faston.
Male plug in computer end of cable.

X Strap in external cable.

Drawn by: HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date: 14.02.83			

NORSK DATA A.S Oslo, Norway	Title 16 bit Digital Output	Drawing no. 4-9410

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.		
1	DA0L	1	BERG 95	a 20	1		
	"	0	" 94	c 20	20		
2	DA1L	1	" 93	a 19	2		
	"	0	" 92	c 19	21		
3	DA2L	1	" 91	a 18	3		
	"	0	" 90	c 18	22		
4	DA3L	1	" 89	a 17	4		
	"	0	" 88	c 17	23		
5	DA4L	1	" 87	a 16	5		
	"	0	" 86	c 16	24		
6	DA5L	1	" 85	a 15	6		
	"	0	" 84	c 15	25		
7	DA6L	1	" 83	a 14	7		
	"	0	" 82	c 14	26		
8	DA7L	1	" 81	a 13	8		
	"	0	" 80	c 13	27		
9	DA8L	1	" 79	a 12	9		
	"	0	" 78	c 12	28		
10	DA9L	1	" 77	a 11	10		
	"	0	" 76	c 11	29		
11	DA10L	1	" 75	a 10	11		
	"	0	" 74	c 10	30		
12	DA11L	1	" 73	a 9	12		
	"	0	" 72	c 9	31		
13	DA12L	1	" 71	a 8	13		
	"	0	" 70	c 8	32		
14	DA13L	1	" 69	a 7	14		
	"	0	" 68	c 7	33		
15	DA14L	1	" 67	a 6	15		
	"	0	" 66	c 6	34		
16	DA15L	1	" 65	a 5	16		
	"	0	" 64	c 5	35		
17	STROBL	1	" 63	a 4	17		
	"	0	" 62	c 4	36		
18	REQL	1	" 61	a 3	18		
	"	0	" 60	c 3	37		
19	CWOUTL	1	" 59	a 2	1		
	"	0	" 58	c 2	20		
20	ERRSL	1	" 57	a 1	2		
	"	0	" 56	c 1	21		
21		1	" 55		3		
		0	" 54		22		

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 6.9.79			

NORSK DATA A.S Oslo, Norway	Title 16 bit Digital Input/Output	Drawing no. 4-9411

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.		
1	DA0L	1	BERG 95	a 20	1		
	GND	0	" 94	c 20	20		
2	DA1L	1	" 93	a 19	2		
	GND	0	" 92	c 19	21		
3	DA2L	1	" 91	a 18	3		
	GND	0	" 90	c 18	22		
4	DA3L	1	" 89	a 17	4		
	GND	0	" 88	c 17	23		
5	DA4L	1	" 87	a 16	5		
	GND	0	" 86	c 16	24		
6	DA5L	1	" 85	a 15	6		
	GND	0	" 84	c 15	25		
7	DA6L	1	" 83	a 14	7		
	GND	0	" 82	c 14	26		
8	DA7L	1	" 81	a 13	8		
	GND	0	" 80	c 13	27		
9	DA8L	1	" 79	a 12	9		
	GND	0	" 78	c 12	28		
10	DA9L	1	" 77	a 11	10		
	GND	0	" 76	c 11	29		
11	DA10L	1	" 75	a 10	11		
	GND	0	" 74	c 10	30		
12	DA11L	1	" 73	a 9	12		
	GND	0	" 72	c 9	31		
13	DA12L	1	" 71	a 8	13		
	GND	0	" 70	c 8	32		
14	DA13L	1	" 69	a 7	14		
	GND	0	" 68	c 7	33		
15	DA14L	1	" 67	a 6	15		
	GND	0	" 66	c 6	34		
16	DA15L	1	" 65	a 5	16		
	GND	0	" 64	c 5	35		
17	NDR/DT	1	" 63	a 4	17		
	GND	0	" 62	c 4	36		
18	INT. REQ.	1	" 61	a 3	18		
	GND	0	" 60	c 3	37		
19	CSR 1	1	" 59	a 2	1		
	GND	0	" 58	c 2	20		
20	CSR 0	1	" 57	a 1	2		
	GND	0	" 56	c 1	21		
21			" 55		3		
			" 54		22		

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY	1158 CARD	Replaced by	Date
DATE 6.9.79			

NORSK DATA A.S Oslo, Norway	Title PROGRAMMABLE CLOCK 1166	Drawing no. 4-4913

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.		
1	OSCOUT	1	BERG 95	a 20	1		
	GND	0	" 94	c 20	20		
2	EXTOSC	0	" 93	a 19	2		
	GND	0	" 92	c 19	21		
3	EXTHOLD	0	" 91	a 18	3		
	GND	0	" 90	c 18	22		
4	PERIOD	0	" 89	a 17	4		
	GND	0	" 88	c 17	23		
5	EXTRESTART	0	" 87	a 16	5		
	GND	0	" 86	c 16	24		
6	INHIBIT	0	" 85	a 15	6		
	GND	0	" 84	c 15	25		
7	SELEXTOSC	0	" 83	a 14	7		
	GND	0	" 82	c 14	26		
8	OVERFLOW	0	" 81	a 13	8		
	GND	0	" 80	c 13	27		
9	HOLDREADY	0	" 79	a 12	9		
	GND	0	" 78	c 12	28		
10	PERIOD	0	" 77	a 11	10		
	GND	0	" 76	c 11	29		
11		1	" 75	a 10	11		
		0	" 74	c 10	30		
12		1	" 73	a 9	12		
		0	" 72	c 9	31		
13		1	" 71	a 8	13		
		0	" 70	c 8	32		
14		1	" 69	a 7	14		
		0	" 68	c 7	33		
15		1	" 67	a 6	15		
		0	" 66	c 6	34		
16		1	" 65	a 5	16		
		0	" 64	c 5	35		
17		1	" 63	a 4	17		
		0	" 62	c 4	36		
18		1	" 61	a 3	18		
		0	" 60	c 3	37		
19		1	" 59	a 2	1		
		0	" 58	c 2	20		
20		1	" 57	a 1	2		
		0	" 56	c 1	21		
21		1	" 55		3		
		0	" 54		22		

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 6.9.79			

NORSK DATA A.S Oslo, Norway	Title DATA PRODUCT LP with Parallel byte output 1109	Drawing no. 4-9414

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.		
1	RDY	1	BERG 95	a 20	1	EE	
	GND		" 94	c 20	20	C	
2	STR	1	" 93	a 19	2	j	
	GND		" 92	c 19	21	m	
3	DA7		" 91	a 18	3		
	GND		" 90	c 18	22		
4	DA6	1	" 89	a 17	4	n	
	GND		" 88	c 17	23	k	
5	DA5	1	" 87	a 16	5	Z	
	GND		" 86	c 16	24	b	
6	DA4	1	" 85	a 15	6	V	
	GND		" 84	c 15	25	X	
7	DA3	1	" 83	a 14	7	R	
	GND		" 82	c 14	26	T	
8	DA2	1	" 81	a 13	8	L	
	GND		" 80	c 13	27	N	
9	DA1	1	" 79	a 12	9	F	
	GND		" 78	c 12	28	J	
10	DA0	1	" 77	a 11	10	B	
	GND		" 76	c 11	29	D	
11	STS	1	" 75	a 10	11	v	
	GND		" 74	c 10	30	AA	
12	MODA		" 73	a 9	12		
	GND		" 72	c 9	31		
13	MODB		" 71	a 8	13		
	GND		" 70	c 8	32		
14	INI		" 69	a 7	14		
	GND		" 68	c 7	33		
15	FUN1		" 67	a 6	15		
	GND		" 66	c 6	34		
16	FUN2		" 65	a 5	16		
	GND		" 64	c 5	35		
17	FUN3		" 63	a 4	17		
	GND		" 62	c 4	36		
18	XB0		" 61	a 3	18		
	XB1		" 60	c 3	37		
19	XB2		" 59	a 2	1		
			" 58	c 2	20		
20			" 57	a 1	2		
			" 56	c 1	21		
21			" 55		3		
			" 54		22		

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 6.9.79			

NORSK DATA A.S Oslo, Norway	Title CENTRONICS LP with Parallel byte output 1109	Drawing no. 4-9415

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.	AMP	
1	RDY	0	BERG 95	a 20	1	10	
	GND		" 94	c 20	20	28	
2	STR	1	" 93	a 19	2	1	
	GND		" 92	c 19	21	19	
3	DA7	1	" 91	a 18	3	9	
	GND		" 90	c 18	22	27	
4	DA6	1	" 89	a 17	4	8	
	GND		" 88	c 17	23	26	
5	DA5	1	" 87	a 16	5	7	
	GND		" 86	c 16	24	25	
6	DA4	1	" 85	a 15	6	6	
	GND		" 84	c 15	25	24	
7	DA3	1	" 83	a 14	7	5	
	GND		" 82	c 14	26	23	
8	DA2	1	" 81	a 13	8	4	
	GND		" 80	c 13	27	22	
9	DA1	1	" 79	a 12	9	3	
	GND		" 78	c 12	28	21	
10	DA0	1	" 77	a 11	10	2	
	GND		" 76	c 11	29	20	
11	STS		" 75	a 10	11		
	GND		" 74	c 10	30		
12	MODA		" 73	a 9	12		
	GND		" 72	c 9	31		
13	MODB		" 71	a 8	13		
	GND		" 70	c 8	32		
14	INI		" 69	a 7	14	31	
	GND		" 68	c 7	33	30	
15	FUN1		" 67	a 6	15		
	GND		" 66	c 6	34		
16	FUN2		" 65	a 5	16		
	GND		" 64	c 5	35		
17	FUN3		" 63	a 4	17		
	GND		" 62	c 4	36		
18	XB0		" 61	a 3	18		
	XB1		" 60	c 3	37		
19	XB2		" 59	a 2	1		
			" 58	c 2	20		
20			" 57	a 1	2		
			" 56	c 1	21		
21			" 55		3		
			" 54		22		

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 6.9.79			

NORSK DATA A.S Oslo, Norway	Title LOGA BAX MP with Parallel byte output 1109	Drawing no. 4.9416

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.		
1	RDY	1	BERG 95	a 20	1	15 A	
	GND		" 94	c 20	20	1 B	
2	STR	0	" 93	a 19	2	6 A	
	GND		" 92	c 19	21	2 B	
3	DA7		" 91	a 18	3		
	GND		" 90	c 18	22		
4	DA6	0	" 89	a 17	4	9 A	
	GND		" 88	c 17	23	3 A	
5	DA5	0	" 87	a 16	5	8 A	
	GND		" 86	c 16	24	1 A	
6	DA4	0	" 85	a 15	6	7 A	
	GND		" 84	c 15	25	1 A	
7	DA3	0	" 83	a 14	7	11 A	
	GND		" 82	c 14	26	2 A	
8	DA2	0	" 81	a 13	8	12 A	
	GND		" 80	c 13	27	2 A	
9	DA1	0	" 79	a 12	9	13 A	
	GND		" 78	c 12	28	1 B	
10	DA0	0	" 77	a 11	10	10 A	
	GND		" 76	c 11	29	2 B	
11	STS		" 75	a 10	11		
	GND		" 74	c 10	30		
12	MODA		" 73	a 9	12		
	GND		" 72	c 9	31		
13	MODB		" 71	a 8	13		
	GND		" 70	c 8	32		
14	INI		" 69	a 7	14		
	GND		" 68	c 7	33		
15	FUN1		" 67	a 6	15		
	GND		" 66	c 6	34		
16	FUN2		" 65	a 5	16		
	GND		" 64	c 5	35		
17	FUN3		" 63	a 4	17		
	GND		" 62	c 4	36		
18	XB0		" 61	a 3	18		
	XB1		" 60	c 3	37		
19	XB2		" 59	a 2	1		
			" 58	c 2	20		
20			" 57	a 1	2		
			" 56	c 1	21		
21			" 55		3		
			" 54		22		

DRAWN BY	HO	Remarks	Replacement for	Date
APPROVED BY			Replaced by	Date
DATE	6.9.79			

NORSK DATA A.S Oslo, Norway	Title CDC MATRIX PRINTER with Parallel byte output 1109	Drawing no. 4-9417

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.	AMP 206150-1	
1	RDY	1	BERG 95	a 20	1	19	
	GND		" 94	c 20	20	20	
2	STR	0	" 93	a 19	2	17	
	GND		" 92	c 19	21	18	
3	DA7	0	" 91	a 18	3	10	
	GND		" 90	c 18	22	16	
4	DA6	0	" 89	a 17	4	12	
	GND		" 88	c 17	23	11	
5	DA5	0	" 87	a 16	5	14	
	GND		" 86	c 16	24	13	
6	DA4	0	" 85	a 15	6	9	
	GND		" 84	c 15	25	15	
7	DA3	0	" 83	a 14	7	7	
	GND		" 82	c 14	26	8	
8	DA2	0	" 81	a 13	8	5	
	GND		" 80	c 13	27	6	
9	DA1	0	" 79	a 12	9	3	
	GND		" 78	c 12	28	4	
10	DA0	0	" 77	a 11	10	1	
	GND		" 76	c 11	29	2	
11	STS	0	" 75	a 10	11	27	
	GND		" 74	c 10	30	28	
12	MODA		" 73	a 9	12		
	GND		" 72	c 9	31		
13	MODB		" 71	a 8	13		
	GND		" 70	c 8	32		
14	INI	0	" 69	a 7	14	21	
	GND		" 68	c 7	33	22	
15	FUN1		" 67	a 6	15		
	GND		" 66	c 6	34		
16	FUN2		" 65	a 5	16		
	GND		" 64	c 5	35		
17	FUN3		" 63	a 4	17		
	GND		" 62	c 4	36		
18	XB0	1	" 61	a 3	18	23	
	XB1		" 60	c 3	37		
19	XB2		" 59	a 2	1		
			" 58	c 2	20		
20			" 57	a 1	2		
			" 56	c 1	21		
21			" 55		3		
			" 54		22		

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 6.9.79			

NORSK DATA A.S Oslo, Norway	Title QUEME with Parallel byte output 1109	Drawing no. 4-9418

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.	50 pin-0,1" Edge-Connector	
1	RDY		BERG 95	a 20	1		
	GND		" 94	c 20	20		
2	STR	0	" 93	a 19	2	18	
	GND		" 92	c 19	21	19	
3	DA7	0	" 91	a 18	3	10	
	GND		" 90	c 18	22	15	
4	DA6	0	" 89	a 17	4	9	
	GND		" 88	c 17	23	15	
5	DA5	0	" 87	a 16	5	8	
	GND		" 86	c 16	24	15	
6	DA4	0	" 85	a 15	6	7	
	GND		" 84	c 15	25	15	
7	DA3	0	" 83	a 14	7	6	
	GND		" 82	c 14	26	15	
8	DA2	0	" 81	a 13	8	5	
	GND		" 80	c 13	27	15	
9	DA1	0	" 79	a 12	9	4	
	GND		" 78	c 12	28	15	
10	DA0	0	" 77	a 11	10	3	
	GND		" 76	c 11	29	15	
11	STS	0	" 75	a 10	11	37	
	GND		" 74	c 10	30	38	
12	MODA	0	" 73	a 9	12	11&12	
	GND		" 72	c 9	31	15	
13	MODB	0	" 71	a 8	13	13	
	GND		" 70	c 8	32	15	
14	INI	0	" 69	a 7	14	16	
	GND		" 68	c 7	33	17	
15	FUN1	0	" 67	a 6	15	20	
	GND		" 66	c 6	34	21	
16	FUN2	0	" 65	a 5	16	22	
	GND		" 64	c 5	35	23	
17	FUN3	0	" 63	a 4	17	26	
	GND		" 62	c 4	36	27	
18	XB0	1	" 61	a 3	18	39	NOT
	XB1	1	" 60	c 3	37	41	TWISTED
19	XB2	1	" 59	a 2	1	43	
			" 58	c 2	20		
20			" 57	a 1	2		
			" 56	c 1	21		
21			" 55		3		
			" 54		22		

DRAWN BY	HO	Remarks	Replacement for	Date
APPROVED BY		Databit -1 is not used		
DATE	6.9.79		Replaced by	Date

NORSK DATA A.S Oslo, Norway	Title: FACIT PUNCH with Prallel byte output 1109	Drawing no. 4-9419

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.	CANNON DB 25 P	
1	RDY	1	BERG 95	a 20	1	12	
	GND		" 94	c 20	20	25	
2	STR	1	" 93	a 19	2	9 & 11	
	GND		" 92	c 19	21	25	
3	DA7	1	" 91	a 18	3	8	
	GND		" 90	c 18	22	25	
4	DA6	1	" 89	a 17	4	7	
	GND		" 88	c 17	23	25	
5	DA5	1	" 87	a 16	5	6	
	GND		" 86	c 16	24	25	
6	DA4	1	" 85	a 15	6	5	
	GND		" 84	c 15	25	25	
7	DA3	1	" 83	a 14	7	4	
	GND		" 82	c 14	26	25	
8	DA2	1	" 81	a 13	8	3	
	GND		" 80	c 13	27	25	
9	DA1	1	" 79	a 12	9	2	
	GND		" 78	c 12	28	25	
10	DA0	1	" 77	a 11	10	1	
	GND		" 76	c 11	29	25	
11	STS		" 75	a 10	11		
	GND		" 74	c 10	30		
12	MODA		" 73	a 9	12		
	GND		" 72	c 9	31		
13	MODB		" 71	a 8	13		
	GND		" 70	c 8	32		
14	INI		" 69	a 7	14		
	GND		" 68	c 7	33		
15	FUN1		" 67	a 6	15		
	GND		" 66	c 6	34		
16	FUN2		" 65	a 5	16		
	GND		" 64	c 5	35		
17	FUN3		" 63	a 4	17		
	GND		" 62	c 4	36		
18	XB0		" 61	a 3	18		
	XB1		" 60	c 3	37		
19	XB2		" 59	a 2	1		
			" 58	c 2	20		
20			" 57	a 1	2		
			" 56	c 1	21		
21			" 55		3		
			" 54		22		

DRAWN BY	HO	Remarks	Replacement for	Date
APPROVED BY			Replaced by	Date
DATE	6.9.79			

NORSK DATA A.S Oslo, Norway	Title AD CONVERTER NORD-10 STANDARD	Drawing no. 4.9420

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.		
1			BERG 95	a 20	1		
			" 94	c 20	20		
2			" 93	a 19	2		
			" 92	c 19	21		
3			" 91	a 18	3		
			" 90	c 18	22		
4			" 89	a 17	4		
			" 88	c 17	23		
5			" 87	a 16	5		
			" 86	c 16	24		
6			" 85	a 15	6		
	Ext. Contr.		" 84	c 15	25		
7	GND		" 83	a 14	7		
	GND		" 82	c 14	26		
8	GND		" 81	a 13	8		
			" 80	c 13	27		
9	An. Inp. 0	0	" 79	a 12	9		
	An. Inp. 0	+	" 78	c 12	28		
10	An. Inp. 1	0	" 77	a 11	10		
	An. Inp. 1	+	" 76	c 11	29		
11	An. Inp. 2	0	" 75	a 10	11		
	An. Inp. 2	+	" 74	c 10	30		
12	An. Inp. 3	0	" 73	a 9	12		
	An. Inp. 3	+	" 72	c 9	31		
13	An. Inp. 4	0	" 71	a 8	13		
	An. Inp. 4	+	" 70	c 8	32		
14	An. Inp. 5	0	" 69	a 7	14		
	An. Inp. 5	+	" 68	c 7	33		
15	An. Inp. 6	0	" 67	a 6	15		
	An. Inp. 6	+	" 66	c 6	34		
16	An. Inp. 7	0	" 65	a 5	16		
	An. Inp. 7	+	" 64	c 5	35		
17			" 63	a 4	17		
			" 62	c 4	36		
18			" 61	a 3	18		
			" 60	c 3	37		
19			" 59	a 2	1		
			" 58	c 2	20		
20			" 57	a 1	2		
			" 56	c 1	21		
21			" 55		3		
			" 54		22		

NN - M - 1132

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 3.9.79			

NORSK DATA A.S Oslo, Norway	Title PROSESS INPUT	Drawing no. 4-9421

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.		
1		1	BERG 95	a 20	1		
		0	" 94	c 20	20		
2	D 0	1	" 93	a 19	2		
	"	0	" 92	c 19	21		
3	D 1	1	" 91	a 18	3		
	"	0	" 90	c 18	22		
4	D 2	1	" 89	a 17	4		
	"	0	" 88	c 17	23		
5	D 3	1	" 87	a 16	5		
	"	0	" 86	c 16	24		
6	D 4	1	" 85	a 15	6		
	"	0	" 84	c 15	25		
7	D 5	1	" 83	a 14	7		
	"	0	" 82	c 14	26		
8	D 6	1	" 81	a 13	8		
	"	0	" 80	c 13	27		
9	D 7	1	" 79	a 12	9		
	"	0	" 78	c 12	28		
10	D 8	1	" 77	a 11	10		
	"	0	" 76	c 11	29		
11	D 9	1	" 75	a 10	11		
	"	0	" 74	c 10	30		
12	D 10	1	" 73	a 9	12		
	"	0	" 72	c 9	31		
13	D 11	1	" 71	a 8	13		
	"	0	" 70	c 8	32		
14		1	" 69	a 7	14		
		0	" 68	c 7	33		
15		1	" 67	a 6	15		
		0	" 66	c 6	34		
16		1	" 65	a 5	16		
		0	" 64	c 5	35		
17		1	" 63	a 4	17		
		0	" 62	c 4	36		
18		1	" 61	a 3	18		
		0	" 60	c 3	37		
19		1	" 59	a 2	1		
		0	" 58	c 2	20		
20		1	" 57	a 1	2		
		0	" 56	c 1	21		
21		1	" 55		3		
		0	" 54		22		

1056 CARD

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 3.9.79			

NORSK DATA A.S Oslo, Norway	Title PROSESS OUTPUT	Drawing no. 4-9422

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.		
1		1	BERG 95	a 20	1		
		0	" 94	c 20	20		
2	D 0	1	" 93	a 19	2		
	"	0	" 92	c 19	21		
3	D 1	1	" 91	a 18	3		
	"	0	" 90	c 18	22		
4	D 2	1	" 89	a 17	4		
	"	0	" 88	c 17	23		
5	D 3	1	" 87	a 16	5		
	"	0	" 86	c 16	24		
6	D 4	1	" 85	a 15	6		
	"	0	" 84	c 15	25		
7	D 5	1	" 83	a 14	7		
	"	0	" 82	c 14	26		
8	D 6	1	" 81	a 13	8		
	"	0	" 80	c 13	27		
9	D 7	1	" 79	a 12	9		
	"	0	" 78	c 12	28		
10	D 8	1	" 77	a 11	10		
	"	0	" 76	c 11	29		
11	D 9	1	" 75	a 10	11		
	"	0	" 74	c 10	30		
12	D 10	1	" 73	a 9	12		
	"	0	" 72	c 9	31		
13	D 11	1	" 71	a 8	13		
	"	0	" 70	c 8	32		
14	D 12	1	" 69	a 7	14		
	"	0	" 68	c 7	33		
15	D 13	1	" 67	a 6	15		
	"	0	" 66	c 6	34		
16	D 14	1	" 65	a 5	16		
	"	0	" 64	c 5	35		
17	D 15	1	" 63	a 4	17		
	"	0	" 62	c 4	36		
18	SET	1	" 61	a 3	18		
	"	0	" 60	c 3	37		
19		1	" 59	a 2	1		
		0	" 58	c 2	20		
20		1	" 57	a 1	2		
		0	" 56	c 1	21		
21		1	" 55		3		
		0	" 54		22		

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY	1057 Card	Replaced by	Date
DATE 3.9.79			

NORSK DATA A.S Oslo, Norway	Title: TALLY MATRIX PRINTER CABLE	Drawing no. 4-9429

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.	PLUG WINCHESTER MRAC 50-P (J11 ON TALLY)	
1	LDATA 1	1	BERG 95	a 20	1	B	
	LDATA 1	0	" 94	c 20	20	D	
2	LDATA 2	1	" 93	a 19	2	F	
	LDATA 2	0	" 92	c 19	21	J	
3	LDATA 3	1	" 91	a 18	3	L	
	LDATA 3	0	" 90	c 18	22	N	
4	LDATA 4	1	" 89	a 17	4	R	
	LDATA 4	0	" 88	c 17	23	T	
5	LDATA 5	1	" 87	a 16	5	V	
	LDATA 5	0	" 86	c 16	24	X	
6	LDATA 6	1	" 85	a 15	6	Z	
	LDATA 6	0	" 84	c 15	25	b	
7	LDATA 7	1	" 83	a 14	7	n	
	LDATA 7	0	" 82	c 14	26	k	
8	LSTROBE	1	" 81	a 13	8	j	
	LSTROBE	0	" 80	c 13	27	m	
9	LDEMAND	1	" 79	a 12	9	E	
	LDEMAND	0	" 78	c 12	28	C	
10	LREADY	1	" 77	a 11	10	CC	
	LREADY	0	" 76	c 11	29	EE	
11	LONLINE	1	" 75	a 10	11	y	
	LONLINE	0	" 74	c 10	30	AA	
12	LPAPINSTR	1	" 73	a 9	12	p	
	LPAPINSTR	0	" 72	c 9	31	s	
13		1	" 71	a 8	13		
		0	" 70	c 8	32		
14		1	" 69	a 7	14		
		0	" 68	c 7	33		
15		1	" 67	a 6	15		
		0	" 66	c 6	34		
16		1	" 65	a 5	16		
		0	" 64	c 5	35		
17		1	" 63	a 4	17		
		0	" 62	c 4	36		
18		1	" 61	a 3	18		
		0	" 60	c 3	37		
19		1	" 59	a 2	1		
		0	" 58	c 2	20		
20		1	" 57	a 1	2		
		0	" 56	c 1	21		
21		1	" 55		3		
		0	" 54		22		

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 6.9.79			

NORSK DATA A.S Oslo, Norway	Title CALCOMP PLOTTER CABLING	Drawing no. 4-9430

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.	PLOTTER PLUG ELCO 00-8016-056 000-702	
1	XC1	1	BERG 95	a 20	1	A	
	"	0	" 94	c 20	20	B	
2	XC2	1	" 93	a 19	2	C	
	"	0	" 92	c 19	21	D	
3	XC3	1	" 91	a 18	3	E	
	"	0	" 90	c 18	22	F	
4	XC4	1	" 89	a 17	4	H	
	"	0	" 88	c 17	23	J	
5		1	" 87	a 16	5	L	
		0	" 86	c 16	24	M	
6	XCS	1	" 85	a 15	6	N	
	"	0	" 84	c 15	25	P	
7	XPR	1	" 83	a 14	7	R	
	"	0	" 82	c 14	26	S	
8		1	" 81	a 13	8	T	
		0	" 80	c 13	27	U	
9		1	" 79	a 12	9	W	
		0	" 78	c 12	28	X	
10	RDY	1	" 77	a 11	10	c	
	"	0	" 76	c 11	29	e	
11	GND	1	" 75	a 10	11	f	
	"	0	" 74	c 10	30	f	
12		1	" 73	a 9	12		
		0	" 72	c 9	31		
13		1	" 71	a 8	13		
		0	" 70	c 8	32		
14		1	" 69	a 7	14		
		0	" 68	c 7	33		
15		1	" 67	a 6	15		
		0	" 66	c 6	34		
16		1	" 65	a 5	16		
		0	" 64	c 5	35		
17		1	" 63	a 4	17		
		0	" 62	c 4	36		
18		1	" 61	a 3	18		
		0	" 60	c 3	37		
19		1	" 59	a 2	1		
		0	" 58	c 2	20		
20		1	" 57	a 1	2		
		0	" 56	c 1	21		
21		1	" 55		3		
		0	" 54		22		

DRAWN BY HO	Remarks	Replacement for:	Date
APPROVED BY		Replaced by	Date
DATE 6.9.79			

NORSK DATA A.S Oslo, Norway	Title 16 bit Digital Input	Drawing no. 4-9434

NO.	SIGNAL	POLARITY	PLUG BERG	EUROPLUG NORD-100	PLUGPANEL 2x37 pin plug conn.		
1	DA0L	1	BERG 95	a 20	1		
	"	0	" 94	c 20	20		
2	DA1L	1	" 93	a 19	2		
	"	0	" 92	c 19	21		
3	DA2L	1	" 91	a 18	3		
	"	0	" 90	c 18	22		
4	DA3L	1	" 89	a 17	4		
	"	0	" 88	c 17	23		
5	DA4L	1	" 87	a 16	5		
	"	0	" 86	c 16	24		
6	DA5L	1	" 85	a 15	6		
	"	0	" 84	c 15	25		
7	DA6L	1	" 83	a 14	7		
	"	0	" 82	c 14	26		
8	DA7L	1	" 81	a 13	8		
	"	0	" 80	c 13	27		
9	DA8L	1	" 79	a 12	9		
	"	0	" 78	c 12	28		
10	DA9L	1	" 77	a 11	10		
	"	0	" 76	c 11	29		
11	DA10L	1	" 75	a 10	11		
	"	0	" 74	c 10	30		
12	DA11L	1	" 73	a 9	12		
	"	0	" 72	c 9	31		
13	DA12L	1	" 71	a 8	13		
	"	0	" 70	c 8	32		
14	DA13L	1	" 69	a 7	14		
	"	0	" 68	c 7	33		
15	DA14L	1	" 67	a 6	15		
	"	0	" 66	c 6	34		
16	DA15L	1	" 65	a 5	16		
	"	0	" 64	c 5	35		
17	STROBL	1	" 63	a 4	17		
	"	0	" 62	c 4	36		
18	REQL	1	" 61	a 3	18		
	"	0	" 60	c 3	37		
19	ERRSL	1	" 59	a 2	1		
	"	0	" 58	c 2	20		
20	CWOUTL	1	" 57	a 1	2		
	"	0	" 56	c 1	21		
21		1	" 55		3		
		0	" 54		22		

DRAWN BY HO	Remarks	Replacement for	Date
APPROVED BY	1041 Card	Replaced by	Date
DATE 6.9.79			

NORSK DATA A.S Oslo, Norway	Title ADAPTER FROM ANSLEY TO BURNDY PLUG N-100 - MAIN I/O BUS CONTROL	Drawing no. 4-9442

NO.	SIGNAL	POLARITY		MAIN I/O ADAPTER M3001 EURO BUS ADAPTER M3008 CONNECTOR	PLUGPANEL N-100 37PIN D CONN. PIN NO.	BURNDY PLUG ON PLUG PANEL
01	MDRY	0		ba 32	32	P
	MDRY	1		bc 32	13	S
02	MMCL	0		ba 31	31	R
	MMCL	1		bc 31	12	T
03	MINGRANT	0		ba 30	30	U
	MINGRANT	1		bc 30	11	W
04	MIOXE	0		ba 29	29	V
	MIOXE	1		bc 29	10	X
05	MINIDENT	0		ba 28	28	Y
	MINIDENT	1		bc 28	9	AA
06	MINT 10	0		ba 27	27	BB
	MINT 10	1		bc 27	8	Z
07	MINT 11	0		ba 26	26	EE
	MINT 11	1		bc 26	7	CC
08	MINT 12	0		ba 25	25	FF
	MINT 12	1		bc 25	6	DD
09	MINT 13	0		ba 24	24	KK
	MINT 13	1		bc 24	5	HH
10	MINT 15	0		ba 23	23	LL
	MINT 15	1		bc 23	4	JJ
11	MREQ	0		ba 22	22	PP
	MREQ	1		bc 22	3	MM
12	MCONNECT	0		ba 21	21	RR
	MCONNECT	1		bc 21	2	NN
13	MINPUT	0		ba 20	20	UU
	MINPUT	1		bc 20	1	SS
14						
15						
16						
17						
18						
19						
20						

ONLY 13 pairs in cable.

DRAWN BY HO/kha	Remarks Twisted pairs Used in cable Burndy - Ansley	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 11.2.80			

NORSK DATA A.S Oslo, Norway	Title ADAPTER FROM ANSLEY TO BURNDY PLUG FOR N-100 MAIN I/O BUS DATA	Drawing no. 4-9443

NO.	SIGNAL	POLARITY	MAIN I/O ADAPTER M3001 EURO BUS ADAPTER M3008 CONNECTOR	PLUGPANEL N-100 37PIN D CONN. PIN NO.	BURNDY PLUG ON PLUG PANEL	
01	MBD 15	0	ba 16	35	A	
	MBD 15	1	bc 16	16	C	
02	MBD 14	0	ba 15	34	B	
	MBD 14	1	bc 15	15	D	
03	MBD 13	0	ba 14	33	E	
	MBD 13	1	bc 14	14	H	
04	MBD 12	0	ba 13	32	F	
	MBD 12	1	bc 13	13	J	
05	MBD 11	0	ba 12	31	K	
	MBD 11	1	bc 12	12	M	
06	MBD 10	0	ba 11	30	L	
	MBD 10	1	bc 11	11	N	
07	MBD 9	0	ba 10	29	P	
	MBD 9	1	bc 10	10	S	
08	MBD 8	0	ba 9	28	R	
	MBD 8	1	bc 9	9	T	
09	MBD 7	0	ba 8	27	U	
	MBD 7	1	bc 8	8	W	
10	MBD 6	0	ba 7	26	V	
	MBD 6	1	bc 7	7	X	
11	MBD 5	0	ba 6	25	Y	
	MBD 5	1	bc 6	6	AA	
12	MBD 4	0	ba 5	24	Z	
	MBD 4	1	bc 5	5	BB	
13	MBD 3	0	ba 4	23	CC	
	MBD 3	1	bc 4	4	EE	
14	MBD 2	0	ba 3	22	DD	
	MBD 2	1	bc 3	3	FF	
15	MBD 1	0	ba 2	21	HH	
	MBD 1	1	bc 2	2	KK	
16	MBD 0	0	ba 1	20	JJ	
	MBD 0	1	bc 1	1	LL	
17						
18						
19						
20						

ONLY 16 pairs in cable.

DRAWN BY HO/kha APPROVED BY DATE 11.2.80	Remarks Twisted cable between plug Burndy - Ansley	Replacement for	Date
		Replaced by	Date

NORSK DATA A.S Oslo, Norway	Title ADAPTER FROM ANSLY TO BURNDY PLUG FOR MAIN I/O BUS ADDRESS	Drawing no. 4-9444

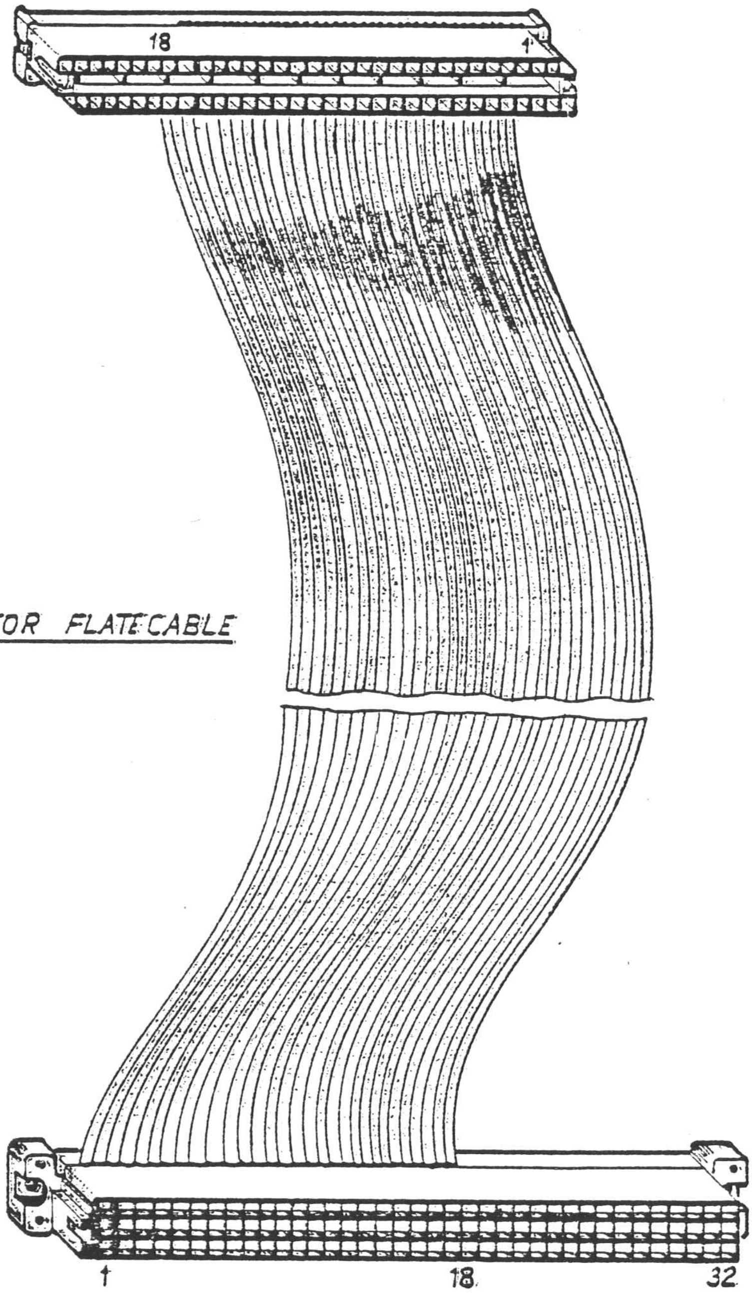
NO.	SIGNAL	POLARITY	MAIN I/O ADAPTER M3001 EURO BUS ADAPTER M3008 CONNECTOR	2 x 25 PIN D CONNECTOR N-100 PLUGPANEL	BURNDY PLUG ON PLUG PANEL	
01	MBA 15	0	aa 18	6	A	
	MBA 15	1	ac 18	18	C	
02	MBA 14	0	aa 17	5	B	
	MBA 14	1	ac 17	17	D	
03	MBA 13	0	aa 16	4	E	
	MBA 13	1	ac 16	16	H	
04	MBA 12	0	aa 15	3	F	
	MBA 12	1	ac 15	15	J	
05	MBA 11	0	aa 14	2	K	
	MBA 11	1	ac 14	16	M	
06	MBA 10	0	aa 13	1	L	
	MBA 10	1	ac 13	13	N	
07	MBA 9	0	aa 12	25	P	
	MBA 9	1	ac 12	12	S	
08	MBA 8	0	aa 11	24	R	
	MBA 8	1	ac 11	11	T	
09	MBA 7	0	aa 10	23	U	
	MBA 7	1	ac 10	10	W	
10	MBA 6	0	aa 9	22	V	
	MBA 6	1	ac 9	9	X	
11	MBA 5	0	aa 8	21	Y	
	MBA 5	1	ac 8	8	AA	
12	MBA 4	0	aa 7	20	Z	
	MBA 4	1	ac 7	7	BB	
13	MBA 3	0	aa 6	19	CC	
	MBA 3	1	ac 6	6	EE	
14	MBA 2	0	aa 5	18	DD	
	MBA 2	1	ac 5	5	FF	
15	MBA 1	0	aa 4	17	HH	
	MBA 1	1	ac 4	4	KK	
16	MBA 0	0	aa 3	16	JJ	
	MBA 0	1	ac 3	3	LL	
17	MBA 17	0	aa 2	15	MM	
	MBA 17	1	ac 2	2	PP	
18	MBA 16	0	aa 1	14	NN	
	MBA 16	1	ac 1	1	RR	
19						
20						

ONLY 18 pairs in cable.

DRAWN BY HO/kha APPROVED BY DATE 11.2.80	Remarks Twisted cable between plug Burndy - Ansley	Replacement for Replaced by	Date Date

NORSK DATA A.S Oslo, Norway	Title CONNECTION BETWEEN EURO-BUS 3008 CARD A CONNECTOR AND N-10 I/O MAIN BUS ADDRESS USED IN 11-MOD.	Drawing no. 4-9451

PLUG 3M 3007



ONLY 36 CONDUCTOR FLATCABLE

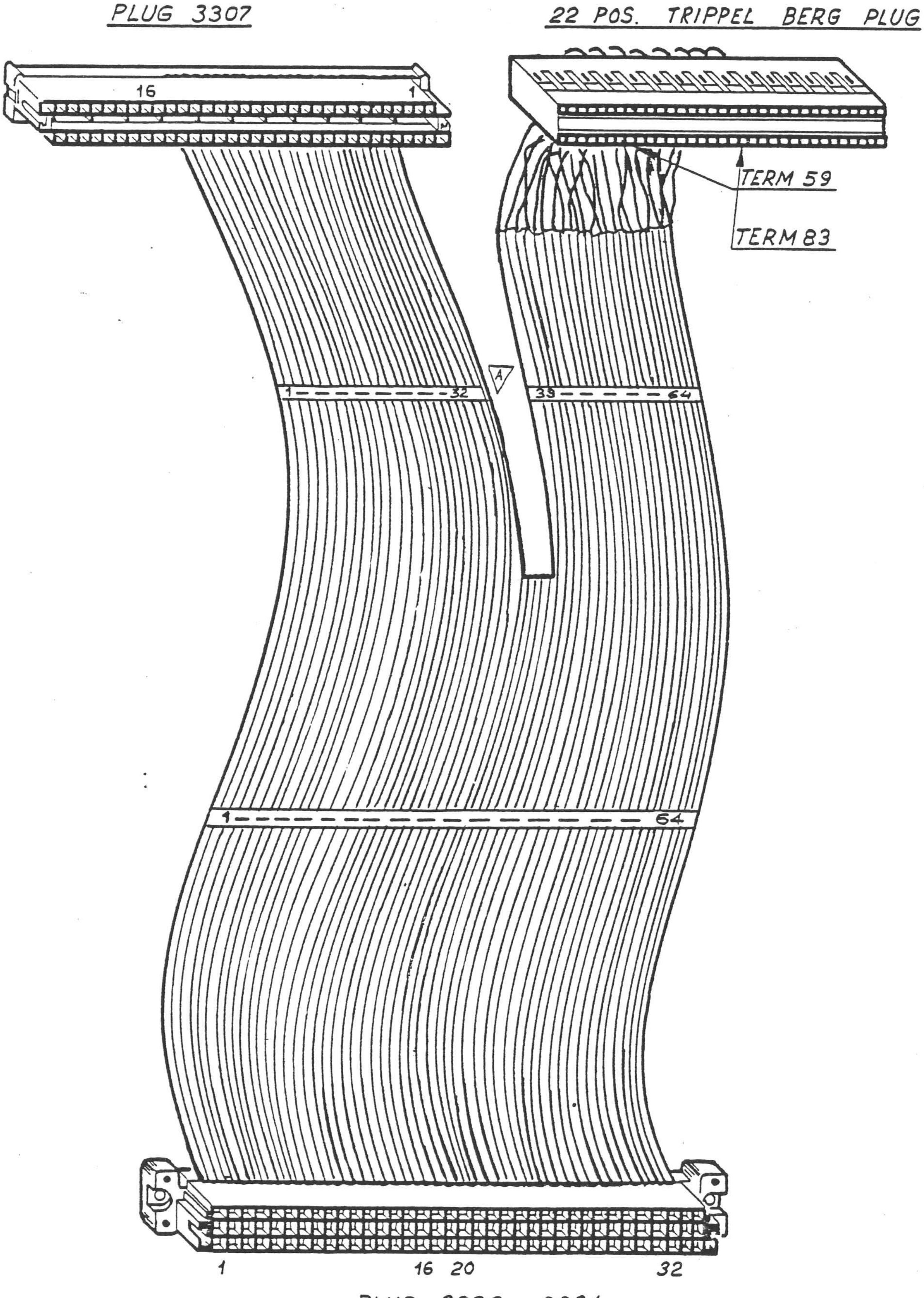
PLUG 3M 3332-0001

TOTAL LENGTH OF CABLE 175 CM

SEE DRAWING NO. 9050

DRAWN BY	MJM	Remarks	Replacement for	Date
APPROVED BY			Replaced by	Date
DATE	3.10.80.			

NORSK DATA A.S Oslo, Norway	Title CONNECTION BETWEEN EUROBUS 3008 CARD B-CONNECTOR N-10/ I/O MAINBUS DATA AND CONTROL USED IN 11 MODULES CABINET	Drawing no. 4-9452-B



TOTAL LENGTH OF CABLE 175 CM - SEE DRAWING NO. 9048 & 9049

DRAWN BY MJM	Remarks	Replacement for	Date
APPROVED BY	A term 39 was 38, MJM 6.4.83.		
DATE 8. 10. 80.		Replaced by	Date

A/S NORSK DATA-ELEKTRONIKK	Title: TTY W/TELEXPLUG (TWX) TDV 2215 W/TELEXPLUG (2215WX)	Drawing no. 4 - 9457 B

NO.	SIGNAL.	POLARITY	PLUG BERG CPU POS.	8 PIN BURNDY	8 PIN TELEX 64-908-011 plug or 60-908-011 socket external 60-108-011 socket internal	CANNON DB 25 S
1	SIGN.			A	1	24
	GND			B	2	23
2	SIGN			C	4	13
	GND			D	3	12
3				E		
	SCREEN			H	6	
4				F		
				J		
5				K		
				M		
6				L		
				N		
7				P		
				S		
8				R		
				T		
9				U		
				W		
10				V		
				X		
11				Y		
				AA		
12				Z		
				BB		
13				CC		
				EE		
14				DD		
				FF		
15				HH		
				KK		
16				JJ		
				LL		
17				MM		
				PP		
18				NN		
				RR		
19				SS		
				UU		
20				TT		
				VV		

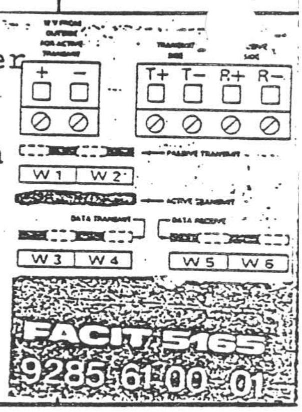
EXT. CABLE: 4 PAIR WITH SCREEN

DRAWN BY HO/ma	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 18.3.81			

NORSK DATA A.S Oslo, Norway	Title TTY W/TELEXPLUG (TWX) TO FACIT 4420	Drawing no. 4-9464 325316 XX

WIRE NO.	SIGNAL			8 PIN BURNDY	8 PIN TELEX 64-908-011 plug or 60-908-011 socket ext. 60-108-011 socket int.	Adapter Facit 5165 92856100 01
01	SIGN			A	1	T-
	GND			B	2	T+
02	SIGN			C	4	R-
	GND			D	3	R+
03				E		
	SCREEN			H	6	NC
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

In adapter jumper W1-W2-W3-W4-W5 and W6 must be linked as showen



EXT. CABLE. 4 PAIR WITH SCREEN

In telex plug, the screen is connected to pin 6.

DRAWN BY HO/ma	Remarks	Replacement for	Date
APPROVED BY		Replaced by	Date
DATE 14.02.83			

NORSK DATA A.S	Title: CABL. INT. DMA/ADDR. EXTENDER N-10 TO N-100	Drawing No. 322844

WIRE NO	SIGNAL	POLARITY	EUROPLUG PIN NO	CARD 1098 PLUG 1 3M 3307	CARD 1153 PLUG 2 3M 3307		
01	MAL 15	0	c 1	95			
02	MAL 15	1	a 1	94			
03	MAL 14	0	c 2	93			
04	MAL 14	1	a 2	92			
05	MAL 13	0	c 3	91			
06	MAL 13	1	a 3	90			
07	MAL 12	0	c 4	89			
08	MAL 12	1	a 4	88			
09	MAL 11	0	c 5	87			
10	MAL 11	1	a 5	86			
11	MAL 10	0	c 6	85			
12	MAL 10	1	a 6	84			
13	MAL 9	0	c 7	83			
14	MAL 9	1	a 7	82			
15	MAL 8	0	c 8	81			
16	MAL 8	1	a 8	80			
17	MAL 7	0	c 9	79			
18	MAL 7	1	a 9	78			
19	MAL 6	0	c 10	77			
20	MAL 6	1	a 10	76			
21	MAL 5	0	c 11	75			
22	MAL 5	1	a 11	74			
23	MAL 4	0	c 12	73			
24	MAL 4	1	a 12	72			
25	MAL 3	0	c 13	71			
26	MAL 3	1	a 13	70			
27	MAL 2	0	c 14	69			
28	MAL 2	1	a 14	68			
29	MAL 1	0	c 15	67			
30	MAL 1	1	a 15	66			
31	MAL 0	0	c 16	65			
32	MAL 0	1	a 16	64			
33	MAL 17	0	c 17		95		
34	MAL 17	1	a 17		94		
35	MAL 16	0	c 18		93		
36	MAL 16	1	a 18		92		
37	MWRITE	0	c 19		91		
38	MWRITE	1	a 19		90		
39	MREQ	0	c 20		89		
40	MREQ	1	a 20		88		
41	MAL 18	0	c 21		87		
42	MAL 18	1	a 21		86		
43	MAL 19	0	c 22		85		
44	MAL 19	1	a 22		84		
45	MAL 20	0	c 23		83		
46	MAL 20	1	a 23		82		
47	MAL 21	0	c 24		81		
48	MAL 21	1	a 24		80		
49	MAL 22	0	c 25		79		
50	MAL 22	1	a 25		78		
51	MAL 23	0	c 26		77		
52	MAL 23	1	a 26		76		
53			c 27		75		
54			a 27		74		
55			c 28		73		
56	WE	0	a 28		NC		
57			c 29		NC		
58	AC 16	0	a 29		NC		
59			c 30		69		
60			a 30		68		
61			c 31		67		
62			a 31		66		
63			c 32		65		
64			a 32		64		

INTERNAL CABLE TYPE : 64 WIRE FLATCABLE
EXTERNAL CABLE TYPE 1:
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Drawn by HO/ma	Remarks	Replacement for	Date
Approved		Replaced by	Date
Date 07.11.83			

NORSK DATA A.S	Title: PERTEC M-T CONTROLLER INTERNAL CABLE N-100	Drawing No. 3-9312

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL PIN NO.	DEVICE PLUG PIN NO.		
01	TAD 0	0	Ac1				
02	FAD	0	Aa1				
03	TAD 1	0	Ac2				
04	GND		Aa2				
05	GO	0	Ac3				
06	GND		Aa3				
07	THR 2, 2WD	0	Ac4				
08	GND		Aa4				
09	OFL	0	Ac5				
10	REW	0	Aa5				
11	FEN	0	Ac6				
12	GND		Aa6				
13	DA 0, W1	0	Ac7				
14	GND		Aa7				
15	DA 1, W1	0	Ac8				
16	REV, W2	0	Aa8				
17	GND		Ac9				
18	WRT, W3	0	Aa9				
19	GND		Ac10				
20	ERASC, W4	0	Aa10				
21	WFM, W5	0	Ac11				
22	ONL	0	Aa11				
23	EDIT, W6	0	Ac12				
24	GND		Aa12				
25	PAR, W7	0	Ac13				
26	FPT	0	Aa13				
27	LDP	0	Ac14				
28	DBY	0	Aa14				
29	GND		Ac15				
30	FBY	0	Aa15				
31	HER	0	Ac16				
32	GND		Aa16				
33	CCG	0	Ac17				
34	GND		Aa17				
35	FMK	0	Ac18				
36	GND		Aa18				
37	CER	0	Ac19				
38	GND		Aa19				
39			Ac20				
40	RDY	0	Aa20				
41	GND		Ac21				
42			Aa21				
43	EOT	0	Ac22				
44			Aa22				
45	GND		Ac23				
46	WSTR	0	Aa23				
47	GND		Ac24				
48	RSTR	0	Aa24				
49	GND		Ac25				
50	R 0	0	Aa25				
51	GND		Ac26				
52	R 1	0	Aa26				
53	GND		Ac27				
54	R 2	0	Aa27				
55	GND		Ac28				
56	R 3	0	Aa28				
57	GND		Ac29				
58	R 4	0	Aa29				
59	GND		Ac30				
60	R 5	0	Aa30				
61	GND		Ac31				
62	R 6	0	Aa31				
63	GND		Ac32				
64	R 7	0	Aa32				

INTERNAL CABLE TYPE : 64 wire flat cable Ref. drawing 9006
EXTERNAL CABLE TYPE 1: Ref drawing 3-9339
EXTERNAL CABLE TYPE 2: Ref drawing 3-9340
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Drawn by	SEJ	Remarks	Replacement for	Date
Approved		A-CONNECTOR 3006	3-9312	14.06.79
Date	21.08.79	1:1 with 64 pin flat cable connector in both ends.	Replaced by	Date

NORSK DATA A.S	Title BUS ADDRESS (N-10 BUS) INTERNAL CABLE FOR N-100	Drawing No. 3-9313

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL 2x25 PIN "D" plug connector PIN NO.	DEVICE PLUG PIN NO.		
1	MBA 16	1	c 1	1			
2	MBA 16	0	a 1	14			
3	MBA 17	1	c 2	2			
4	MBA 17	0	a 2	15			
5	MBA 0	1	c 3	3			
6	MBA 0	0	a 3	16			
7	MBA 1	1	c 4	4			
8	MBA 1	0	a 4	17			
9	MBA 2	1	c 5	5			
10	MBA 2	0	a 5	18			
11	MBA 3	1	c 6	6			
12	MBA 3	0	a 6	19			
13	MBA 4	1	c 7	7			
14	MBA 4	0	a 7	20			
15	MBA 5	1	c 8	8			
16	MBA 5	0	a 8	21			
17	MBA 6	1	c 9	9			
18	MBA 6	0	a 9	22			
19	MBA 7	1	c 10	10			
20	MBA 7	0	a 10	23			
21	MBA 8	1	c 11	11			
22	MBA 8	0	a 11	24			
23	MBA 9	1	c 12	12			
24	MBA 9	0	a 12	25			
25	MBA 10	1	c 13	13			
25	MBA 10	0	a 13	1			
27	MBA 11	1	c 14	14			
28	MBA 11	0	a 14	2			
29	MBA 12	1	c 15	15			
30	MBA 12	0	a 15	3			
31	MBA 13	1	c 16	16			
32	MBA 13	0	a 16	4			
33	MBA 14	1	c 17	17			
34	MBA 14	0	a 17	5			
35	MBA 15	1	c 18	18			
36	MBA 15	0	a 18	6			
37	MBA 18	1	c 19	19			
38	MBA 18	0	a 19	7			
39	MBA 19	1	c 20	20			
40	MBA 19	0	a 20	8			
41	MBA 20	1	c 21	21			
42	MBA 20	0	a 21	9			
43	MBA 21	1	c 22	22			
44	MBA 21	0	a 22	10			
45	MBA 22	1	c 23	23			
46	MBA 22	0	a 23	11			
47	MBA 23	1	c 24	24			
48	MBA 23	0	a 24	12			
49			c 25	25			
50			a 25	13			
51			c 26				
52			a 26				
53			c 27				
54			a 27				
55			c 28				
56			a 28				
57	MDB 19	1	c 29				
58	MDB 19	0	a 29				
59	MDB 18	1	c 30			Future extensions	
60	MDB 18	0	a 30				
61	MDB 17	1	c 31				
62	MDB 17	0	a 31				
63	MDB 16	1	c 32				
64	MDB 16	0	a 32				

INTERNAL CABLE TYPE : 50 wire flatcable
EXTERNAL CABLE TYPE 1:
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Drawn by	Remarks	Replacement for	Date
Approved	A-counter on 3008	Replaced by	Date
Date			

NORSK DATA A.S	Title: BUS DATA / BUS CONTROL (N-10 BUS) — INTERNAL CABLE FOR N-100	Drawing No. 3-9314

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL 2x37 pin "D" connector PIN NO.	DEVICE PLUG PIN NO.		
1	MBD 0	1	c 1	1			
2	MBD 0	0	a 1	20			
3	MBD 1	1	c 2	2			
4	MBD 1	0	a 2	21			
5	MBD 2	1	c 3	3			
6	MBD 2	0	a 3	22			
7	MBD 3	1	c 4	4			
8	MBD 3	0	a 4	23			
9	MBD 4	1	c 5	5			
10	MBD 4	0	a 5	24			
11	MBD 5	1	c 6	6			
12	MBD 5	0	a 6	25			
13	MBD 6	1	c 7	7			
14	MBD 6	0	a 7	26			
15	MBD 7	1	c 8	8			#1
16	MBD 7	0	a 8	27			
17	MBD 8	1	c 9	9			
18	MBD 8	0	a 9	28			
19	MBD 9	1	c 10	10			
20	MBD 9	0	a 10	29			
21	MBD 10	1	c 11	11			
22	MBD 10	0	a 11	30			
23	MBD 11	1	c 12	12			
24	MBD 11	0	a 12	31			
25	MBD 12	1	c 13	13			
26	MBD 12	0	a 13	32			
27	MBD 13	1	c 14	14			
28	MBD 13	0	a 14	33			
29	MBD 14	1	c 15	15			
30	MBD 14	0	a 15	34			
31	MBD 15	1	c 16	16			
32	MBD 15	0	a 16	35			
33			c 17				
34			a 17				
35			c 18				
36			a 18				
37			c 19				
38			a 19				
39	MINPUT	0	c 20	1			
40	MINPUT	1	a 20	20			
41	MCONNECT	0	c 21	2			
42	MCONNECT	1	a 21	21			
43	MREQ	0	c 22	3			
44	MREQ	1	a 22	22			
45	MINT 15	0	c 23	4			
46	MINT 15	1	a 23	23			
47	MINT 13	0	c 24	5			
48	MINT 13	1	a 24	24			#2
49	MINT 12	0	c 25	6			
50	MINT 12	1	a 25	25			
51	MINT 11	0	c 26	7			
52	MINT 11	1	a 26	26			
53	MINT 10	0	c 27	8			
54	MINT 10	1	a 27	27			
55	IDENTL	1	c 28	9			
56	IDENTL	0	a 28	28			
57	MIOXE	1	c 29	10			
58	MIOXE	0	a 29	29			
59	GRANTL	1	c 30	11			
60	GRANTL	0	a 30	30			
61	MCLL	1	c 31	12			
62	MCLL	0	a 31	31			
63	DRYL	1	c 32	13			
64	DRYL	0	a 32	32			

INTERNAL CABLE TYPE : 64 wire flatcable

EXTERNAL CABLE TYPE 1:

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

Drawn by	Remarks	Replacement for	Date
Approved	B-connector on 3008		
Date		Replaced by	Date

NORSK DATA A.S	Title MPM DATA + CONTROL INTERNAL CABLE FOR N-100	Drawing No. 3-9315

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL 50 pin plug connector PIN NO.	DEVICE PLUG PIN NO.		
1	BDL 15	0	c 1	1			
2	BDL 15	1	a 1	2			
3	BDL 14	0	c 2	3			
4	BDL 14	1	a 2	4			
5	BDL 13	0	c 3	5			
6	BDL 13	1	a 3	6			
7	BDL 12	0	c 4	7			
8	BDL 12	1	a 4	8			
9	BDL 11	0	c 5	9			
10	BDL 11	1	a 5	10			
11	BDL 10	0	c 6	11			
12	BDL 10	1	a 6	12			
13	BDL 9	0	c 7	13			
14	BDL 9	1	a 7	14			
15	BDL 8	0	c 8	15			
16	BDL 8	1	a 8	16			
17	BDL 7	0	c 9	17			
18	BDL 7	1	a 9	18			
19	BDL 6	0	c 10	19			
20	BDL 6	1	a 10	20			
21	BDL 5	0	c 11	21			
22	BDL 5	1	a 11	22			
23	BDL 4	0	c 12	23			
24	BDL 4	1	a 12	24			
25	BDL 3	0	c 13	25			
26	BDL 3	1	a 13	26			
27	BDL 2	0	c 14	27			
28	BDL 2	1	a 14	28			
29	BDL 1	0	c 15	29			
30	BDL 1	1	a 15	30			
31	BDL 0	0	c 16	31			
32	BDL 0	1	a 16	32			
33	BDL 17	0	c 17	33			
34	BDL 17	1	a 17	34			
35	BDL 16	0	c 18	35			
36	BDL 16	1	a 18	36			
37	ARL	0	c 19	37			
38	ARL	1	a 19	38			
39	DRL	0	c 20	39			
40	DRL	1	a 20	40			
41			c 21				
42			a 21				
43			c 22				
44			a 22				
45			c 23				
46			a 23				
47			c 24				
48			a 24				
49			c 25				
50			a 25				
51			c 26				
52			a 26				
53			c 27				
54			a 27				
55			c 28				
56			a 28				
57			c 29				
58			a 29				
59			c 30				
60			a 30				
61			c 31				
62			a 31				
63			c 32				
64			a 32				

INTERNAL CABLE TYPE : 50 wire flatcable
EXTERNAL CABLE TYPE 1:
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Drawn by RI/kho	Remarks	Replacement for	Date
Approved	B-connector on 3003	Replaced by	Date
Date 15.2.79			

NORSK DATA A.S	Title MPM ADDRESS + CONTROL INTERNAL CABLE FOR N-100	Drawing No. 3-9316

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL 50 pin plug connector PIN NO.	DEVICE PLUG PIN NO.		
1	BAL 15	0	c 1	1			
2	BAL 15	1	a 1	2			
3	BAL 14	0	c 2	3			
4	BAL 14	1	a 2	4			
5	BAL 13	0	c 3	5			
6	BAL 13	1	a 3	6			
7	BAL 12	0	c 4	7			
8	BAL 12	1	a 4	8			
9	BAL 11	0	c 5	9			
10	BAL 11	1	a 5	10			
11	BAL 10	0	c 6	11			
12	BAL 10	1	a 6	12			
13	BAL 9	0	c 7	13			
14	BAL 9	1	a 7	14			
15	BAL 8	0	c 8	15			
16	BAL 8	1	a 8	16			
17	BAL 7	0	c 9	17			
18	BAL 7	1	a 9	18			
19	BAL 6	0	c 10	19			
20	BAL 6	1	a 10	20			
21	BAL 5	0	c 11	21			
22	BAL 5	1	a 11	22			
23	BAL 4	0	c 12	23			
24	BAL 4	1	a 12	24			
25	BAL 3	0	c 13	25			
26	BAL 3	1	a 13	26			
27	BAL 2	0	c 14	27			
28	BAL 2	1	a 14	28			
29	BAL 1	0	c 15	29			
30	BAL 1	1	a 15	30			
31	BAL 0	0	c 16	31			
32	BAL 0	1	a 16	32			
33	BAL 17	0	c 17	33			
34	BAL 17	1	a 17	34			
35	BAL 16	0	c 18	35			
36	BAL 16	1	a 18	36			
37	WRITEL	0	c 19	37			
38	WRITEL	1	a 19	38			
39	REQL	0	c 20	39			
40	REQL	1	a 20	40			
41	BAL 18	0	c 21	41			
42	BAL 18	1	a 21	42			
43	BAL 19	0	c 22	43			
44	BAL 19	1	a 22	44			
45	BAL 20	0	c 23	45			
46	BAL 20	1	a 23	46			
47	BAL 21	0	c 24	47			
48	BAL 21	1	a 24	48			
49			c 25	49			
50			a 25	50			
51			c 26				
52			a 26				
53			c 27				
54			a 27				
55			c 28				
56			a 28				
57			c 29				
58			a 29				
59			c 30				
60			a 30				
61			c 31				
62			a 31				
63			c 32				
64			a 32				

INTERNAL CABLE TYPE : 50 wire flatcable

EXTERNAL CABLE TYPE 1:

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

Drawn by RI/kho	Remarks	Replacement for	Date
Approved	A-connector 3003	Replaced by	Date
Date 15.2.79			

NORSK DATA A.S	Title: 4 TERMINAL INTERFACES FOR N-100	Drawing No. 3-9318

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUG PANEL FEMALE EXT.CAB. MALE COVER HARTING 25 PIN PLUG PIN NO.	DEVICE PLUG PIN NO.		
1	CHASSIS		c 1	1			
2			a 1	14			
3	TXD		c 2	2			
4	I1+		a 2	15			
5	RXD		c 3	3			
6	I2-		a 3	16			
7	RTS		c 4	4		TERMINAL	1
8	01+		a 4	17			
9	RFS		c 5	5			
10	02-		a 5	18			
11	DSR		c 6	6			
12			a 6	19			
13	GND		c 7	7			
14	DTR		a 7	20			
15	SIGN. DET.		c 8	8			
16			a 8	21			
17	CHASSIS		c 9	1			
18			a 9	14			
19	TXD		c 10	2			
20	I1+		a 10	15			
21	RXD		c 11	3			
22	I2-		a 11	16			
23	RTS		c 12	4		TERMINAL	2
24	01+		a 12	17			
25	RFS		c 13	5			
26	02-		a 13	18			
27	DSR		c 14	6			
28			a 14	19			
29	GND		c 15	7			
30	DTR		a 15	20			
31	SIGN. DET.		c 16	8			
32			a 16	21			
33	CHASSIS		c 17	1			
34			a 17	14			
35	TXD		c 18	2			
36	I1+		a 18	15			
37	RXD		c 19	3			
38	I2-		a 19	16			
39	RTS		c 20	4		TERMINAL	3
40	01+		a 20	17			
41	RFS		c 21	5			
42	02-		a 21	18			
43	DSR		c 22	6			
44			a 22	19			
45	GND		c 23	7			
46	DTR		a 23	20			
47	SIGN. DET.		c 24	8			
48			a 24	21			
49	CHASSIS		c 25	1			
50			a 25	14			
51	TXD		c 26	2			
52	I1+		a 26	15			
53	RXD		c 27	3			
54	I2-		a 27	16		TERMINAL	4
55	RTS		c 28	4			
56	01+		a 28	17			
57	RFS		c 29	5			
58	02-		a 29	18			
59	DSR		c 30	6			
60			a 30	19			
61	GND		c 31	7			
62	DTR		a 31	20			
63	SIGN. DET.		c 32	8			
64			a 32	21			

INTERNAL CABLE TYPE : 64 wire flatcable

EXTERNAL CABLE TYPE 1:

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

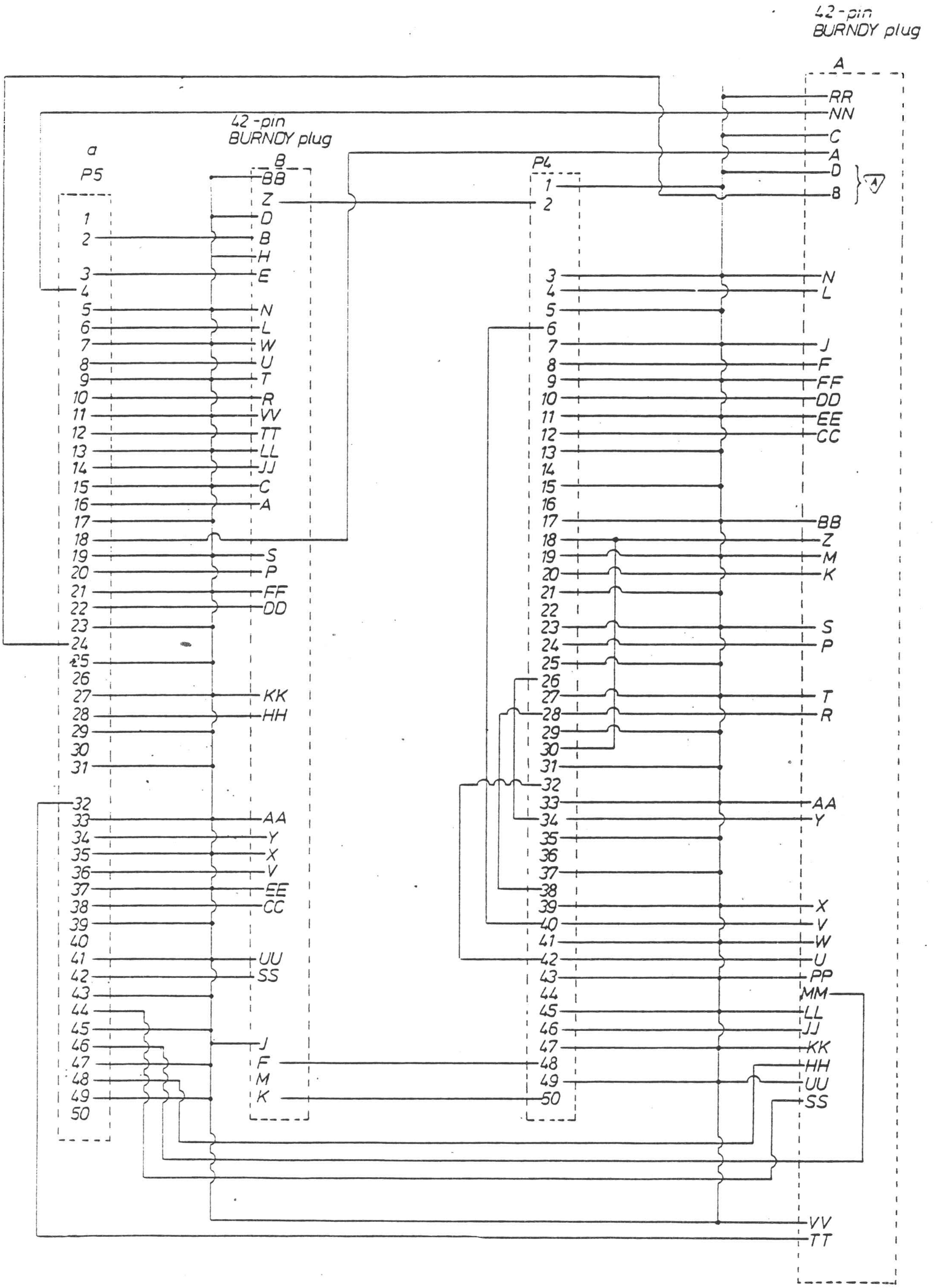
Drawn by	HO/kha	Remarks	Replacement for	Date
Approved			Replaced by	Date
Date	26.11.79			

NORSK DATA A.S	Title: 10 Mb DISC 3004 INTERNAL CABLE N-100	Drawing No. 3-9323

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL PIN NO.	DEVICE PLUG PIN NO.		
01	GND		c 1				
02	GND		a 1				
03	USB 2	0	c 2				
04			a 2				
05	SEEK ERROR	0	c 3				
06			a 3				
07			c 4				
08			a 4				
09			c 5				
10			a 5				
11	TA 7	0	c 6				
12			a 6				
13	DHS 1	0	c 7				
14	DRITZ	0	a 7				
15	GND		c 8				
16	USB 16	0	a 8				
17	TA 1		c 9				
18	DTAS	0	a 9				
19	TERMON	1	c 10				
20	USB 8	0	a 10				
21	USB 4	0	c 11				
22	FAULT	0	a 11				
23	DWG	0	c 12				
24	TA 8	0	a 12				
25	USB 1	0	c 13				
26	DHS 0	0	a 13				
27	INDEX	0	c 14				
28	TA 4	0	a 14				
29	SECTOR	0	c 15				
30	CREADY	0	a 15				
31	TA 6	0	c 16				
32	GND		a 16				
33	TA 3	0	c 17				
34	WPED	0	a 17				
35	TA 5	0	c 18				
36			a 18				
37	DEG	0	c 19				
38	WP	0	a 19				
39	TA 0		c 20				
40	TA 2	0	a 20				
41	DRG	0	c 21				
42	RRD	0	a 21				
43			c 22				
44	CRC	0	a 22				
45	CEYL	0	c 23				
46	US 1	0	a 23				
47	US 2	0	c 24				
48	US 4	0	a 24				
49	US 3	0	c 25				
50	DWD	0	a 25				
51			c 26				
52			a 26				
53			c 27				
54			a 27				
55			c 28				
56			a 28				
57			c 29				
58			a 29				
59			c 30				
60			a 30				
61			c 31				
62			a 31				
63			c 32				
64			a 32				

INTERNAL CABLE TYPE : 64 wire flat cable Ref. drawing 9005
EXTERNAL CABLE TYPE 1: Ref. drawing 3-9341
EXTERNAL CABLE TYPE 2: Ref. drawing 3-9342
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Drawn by: SEJ	Remarks	Replacement for: 3-9323	Date: 15.02.79
Approved	A-connector 3004 1:1 with 64 pin flat cable connector in both ends.	Replaced by	Date
Date: 21.08.79			



A corrected MJM 12.3.81.

PERTEC PLUG PANEL, 1980	Board no.	Drawn 15/9 80
		Contr.
		Appr.
	Replacement for	
NORSK DATA A.S. Oslo Norway	3-9389-E	

NORSK DATA A.S	Title: Operator Panel Console terminal N-100	Drawing No. 3-9324

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL 25 pin + 37 pin "D"-connector PIN NO.	DEVICE PLUG 40 pin select conn. PIN NO.	PANEL DISPLAY PLUG 20 pin HEADER	
1	GND		c 1				
2	GND		a 1				
3	ALD 2		c 2				
4	ALD 3		a 2				
5	ALD 0		c 3				
6	ALD 1		a 3				
7	BS 2		c 4				
8	BS 3		a 4				
9	BS 0		c 5				
10	BS 1		a 5				
11	GND		c 6	1			
12	GND		a 6	14			
13	NC		c 7	2			
14	I1+		a 7	15			
15	NC		c 8	3			
16	I2-		a 8	16			
17	NC		c 9	4			
18	01+		a 9	17			
19	NC		c 10	5			
20	02-		a 10	18			
21	GND		c 11				
22	GND		a 11				
23	SWRST	0	c 12				
24	SWRST	1	a 12				
25	SWSIN	0	c 13				
26	SWSIN	1	a 13				
27	SWCONT	0	a 13				
28	SWCONT	1	a 14				
29	SWLD	0	c 15	37	36		
30	SWLD	1	a 15	18	35		
31	SWMCL	0	c 16	36	34		
32	GND		a 16	17	33		
33	SWSTP	0	c 17	35	32		
34	GND		a 17	16	31		
35	RUN	0	c 18	34	30		
36	GND		a 18	15	29		
37	ENAUTO	0	c 19	33	28		
38	GND		a 19	14	27		
39	LOCK	0	c 20	32	26		
40	GND		a 20	13	25		
41	CONSOLE	0	c 21	31	24		
42	GND		a 21	12	23		
43	+5V	0	c 22	30	22 #2		
44	GND		a 22	11	21		
45	POWOFF	0	c 23	29	20		
46	GND	0	a 23	10	19		
47	DPO	0	c 24	28	18	3	
48	GND		a 24	9	17	4	
49	DP1	0	c 25	27	16	5	
50	GND		a 25	8	15	6	
51	DP2	0	c 26	26	14	7	#3
52	GND		a 26	7	13	8	
53	DP3	0	c 27	25	12	9	
54	GND		a 27	6	11	10	
55	DP4	0	c 28	24	10	11	
56	GND		a 28	5	9	12	
57	DP5	0	c 29	23	8	13	
58	GND		a 29	4	7	14	
59	CONSOLE	0	c 30	22	6	15	
60	ON 2	0	a 30	3	5	16	
61	+12V		c 31	21	4	17	
62	+5V		a 31	2	3	18	
63	GND		c 32	20	2	19	
64	GND		a 32	1	1	20	

INTERNAL CABLE TYPE : 64 wire flatcable

EXTERNAL CABLE TYPE 1:

EXTERNAL CABLE TYPE 2: 36 wire flatcable

EXTERNAL CABLE TYPE 3: 20 wire flatcable

EXTERNAL CABLE TYPE 4:

Drawn by	Remarks	Replacement for	Date
Approved	A-connector on 3002	Replaced by	Date
Date			

NORSK DATA A.S	Title: CABLE FOR N-100 AUTOLOAD (322637)	Drawing No. 3-9325

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL 25 PIN "D" CONNECTOR PIN NO.	DEVICE PLUG PIN No.		
01	$CLOAD_0$		c1	1			
02	CND		a1	14			
03			c2	2			
04			a2	15			
05			c3	3			
06			a3	16			
07			c4	4			
08			a4	17			
09			c5	5			
10			a5	18			
11			c6	6			
12			a6	19			
13			c7	7			
14			a7	20			
15			c8	8			
16			a8	21			
17			c9	9			
18			a9	22			
19			c10	10			
20			a10	23			
21			c11	11			
22			a11	24			
23			c12	12			
24			a12	25			
25			c13	13			
26			a13				
27			c14				
28			a14				
29			c15				
30			a15				
31			c16				
32			a16				
33			c17				
34			a17				
35			c18				
36			a18				
37			c19				
38			a19				
39			c20				
40			a20				
41			c21				
42			a21				
43			c22				
44			a22				
45			c23				
46			a23				
47			c24				
48			a24				
49			c25				
50			a25				
51			c26				
52			a26				
53			c27				
54			a27				
55			c28				
56			a28				
57			c29				
58			a29				
59			c30				
60			a30				
61			c31				
62			a31				
63			c32				
64			a32				

INTERNAL CABLE TYPE : 25 wire Flat Cable

EXTERNAL CABLE TYPE 1:

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

Drawn by: HO/kha	Remarks	Replacement for	Date
Approved	A-connector 3015	Replaced by	Date
Date: 25.6.79			

NORSK DATA A.S

Title: INTERNAL CABLE N-100 HDLC

Drawing No. 3-9326

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL 2x25 PIN D CONNECTOR PIN NO.	DEVICE PLUG PIN NO.		
01			c1	1			
02			a1	14			
03	TDA		c2	2			
04	TCL		a2	15			
05	RDA		c3	3			
06			a3	16			
07	RTS		c4	4			
08	RCL		a4	17			
09	RFS		c5	5			
10			a5	18			
11	DSR		c6	6			
12			a6	19			
13	GND		c7	7			
14	DTR		a7	20			
15	SD		c8	8			
16			a8	21			
17			c9	9			
18	RI		a9	22			
19			c10	10			
20			a10	23			
21			c11	11			
22			a11	24			
23			c12	12			
24			a12	25			
25			c13	13			
26			a13				
27			c14				
28			a14				
29			c15	1			
30	TB		a15	14			
31	TA		c16	2			
32	TxCB (CB)		a16	15			
33	TxCA (CA)		c17	3			
34	RB		a17	16			
35	RA		c18	4			
36	TxCB (IB)		a18	17			
37	TxCA (IA)		c19	5			
38	RxCB (SA)		a19	18			
39	RxCA (SB)		c20	6			
40			a20	19			
41			c21	7			
42			a21	20			
43			c22	8			
44			a22	21			
45			c23	9			
46	RFS		a23	22			
47	ROTS		c24	10			
48	DSR		a24	23			
49	H		c25	11			
50	SD		a25	24			
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							

INTERNAL CABLE TYPE : 50 wire Flat cable

EXTERNAL CABLE TYPE 1:

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

Drawn by: HO/kha

Approved:

Date: 25.6.79

Remarks: B-connector 3015

Replacement for: | Date:

Replaced by: | Date:

NORSK DATA A.S	Title: FLOPPY DISC CABLE FOR N-100	Drawing No. 3-9327

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL 2x25 PIN plug connector PIN NO.	DEVICE PLUG 50-pin card-edge conn. PIN NO.	BURNDY 42P	
1			c 1	1	1		
2			a 1	14	2		
3	GND		c 2	2	3	X	
4	LDADR	0	a 2	15	4	V	
5	GND		c 3	3	5	V V	
6	LDIFF	0	a 3	16	6	T T	
7	GND		c 4	4	7	A A	
8	TDIR	0	a 4	17	8	Y	
9	GND		c 5	5	9	U U	
10	LSECT	0	a 5	18	10	S S	
11	GND		c 6	6	11	B B	
12	TREQ	0	a 6	19	12	Z	
13	GND		c 7	7	13	K K	
14	TGRANT	0	a 7	20	14	H H	
15	GND		c 8	8	15	L L	
16	GSENS	0	a 8	21	16	J J	
17	GND		c 9	9	17	P P	
18	GSTAT	0	a 9	22	18	M M	
19	GND		c 10	10	19	E E	
20	DINT	0	a 10	23	20	C C	
21	GND		c 11	11	21	F F	
22	DBUSY	0	a 11	24	22	D D	
23	GND		c 12	12	23	R R	
24	LCOM	0	a 12	25	24	N N	
25	GND		c 13	13	25	T	
26	TBUSY 0	0	a 13	1	26	R	
27	GND		c 14	14	27	S	
28	TBUSY 1	0	a 14	2	28	P	
29	GND		c 15	15	29	N	
30	TBUSY 2	0	a 15	3	30	L	
31	GND		c 16	16	31	M	
32	TBUSY 3	0	a 16	4	32	K	
33	GND		c 17	17	33	J	
34	TBUSY 4	0	a 17	5	34	F	
35	GND		c 18	18	35	H	
36	TBUSY 5	0	a 18	6	36	E	
37	GND		c 19	19	37	D	
38	TBUSY 6	0	a 19	7	38	B	
39	GND		c 20	20	39	C	
40	TBUSY 7	0	a 20	8	40	A	
41	GND		c 21	21	41	W	
42	RESET	0	a 21	9	42	U	
43	GND		c 22	22	43		
44	OPT. INPUT	0	a 22	10	44		
45			c 23	23	45		
46			a 23	11	46		
47			c 24	24	47		
48			a 24	12	48		
49			c 25	25	49		
50			a 25	13	50		
51			c 26				
52			a 26				
53			c 27				
54			a 27				
55			c 28				
56			a 28				
57			c 29				
58			a 29				
59			c 30				
60			a 30				
61			c 31				
62			a 31				
63			c 32				
64			a 32				

INTERNAL CABLE TYPE : 50 wire flatcable

EXTERNAL CABLE TYPE 1: 50 wire mancled flatcable

EXTERNAL CABLE TYPE 2:

EXTERNAL CABLE TYPE 3:

EXTERNAL CABLE TYPE 4:

Drawn by RI/kho	Remarks	Replacement for	Date
Approved	A-connector on 3010 3014	Replaced by	Date
Date 15.2.79			

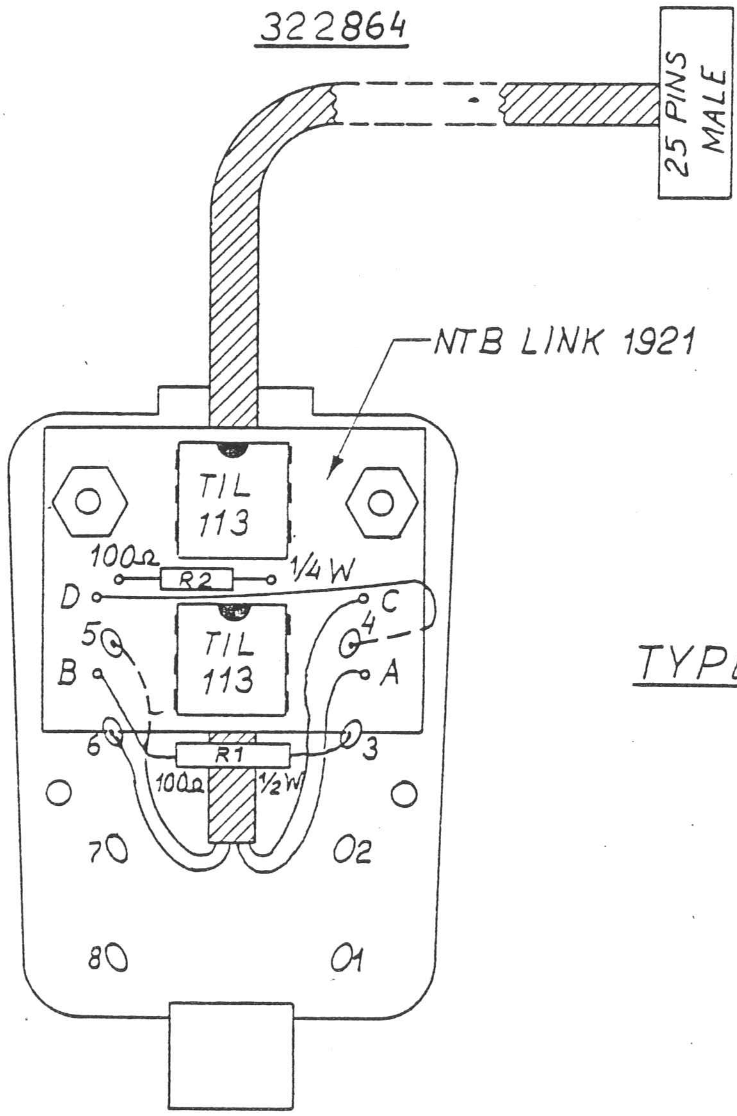
NORSK DATA A.S	Title: INTERNAL CABLE N-100 CAMAC ADDRESS	Drawing No. 3-9331

WIRE NO.	SIGNAL	POLARITY	EUROPLUG PIN NO.	PLUGPANEL 2x25 PIN "D" PLUG CONNECTOR PIN NO.	DEVICE PLUG 132 PIN PIN NO.	DEVICE PLUG 88 PIN PIN NO.
01	MBA 16	1	c 1	1	53	
02	MBA 16	0	a 1	14	70	
03	MBA 17	1	c 2	2	54	
04	MBA 17	0	a 2	15	71	
05	MBA 0	1	c 3	3	18	33
06	MBA 0	0	a 3	16	37	34
07	MBA 1	1	c 4	4	19	35
08	MBA 1	0	a 4	17	38	36
09	MBA 2	1	c 5	5	20	37
10	MBA 2	0	a 5	18	39	38
11	MBA 3	1	c 6	6	21	39
12	MBA 3	0	a 6	19	40	40
13	MBA 4	1	c 7	7	22	41
14	MBA 4	0	a 7	20	58	42
15	MBA 5	1	c 8	8	42	43
16	MBA 5	0	a 8	21	59	44
17	MBA 6	1	c 9	9	43	45
18	MBA 6	0	a 9	22	60	46
19	MBA 7	1	c 10	10	44	47
20	MBA 7	0	a 10	23	61	48
21	MBA 8	1	c 11	11	45	49
22	MBA 8	0	a 11	24	62	50
23	MBA 9	1	c 12	12	46	51
24	MBA 9	0	a 12	25	63	52
25	MBA 10	1	c 13	13	47	53
26	MBA 10	0	a 13	1	64	54
27	MBA 11	1	c 14	14	48	55
28	MBA 11	0	a 14	2	65	56
29	MBA 12	1	c 15	15	49	57
30	MBA 12	0	a 15	3	66	58
31	MBA 13	1	c 16	16	50	59
32	MBA 13	0	a 16	4	67	60
33	MBA 14	1	c 17	17	51	61
34	MBA 14	0	a 17	5	68	62
35	MBA 15	1	c 18	18	52	63
36	MBA 15	0	a 18	6	69	64
37	MBA 18	1	c 19	19		
38	MBA 18	0	a 19	7		
39	MBA 19	1	c 20	20		
40	MBA 19	0	a 20	8		
41	MBA 20	1	c 21	21		
42	MBA 20	0	a 21	9		
43	MBA 21	1	c 22	22		
44	MBA 21	0	a 22	10		
45	MBA 22	1	c 23	23		
46	MBA 22	0	a 23	11		
47	MBA 23	1	c 24	24		
48	MBA 23	0	a 24	12		
49			c 25	25		
50			a 25	13		
51			c 26			
52			a 26			
53			c 27			
54			a 27			
55			c 28			
56			a 28			
57	MBA 19	1	c 29			
58	MBA 19	0	a 29			
59	MBA 18	1	c 30			
60	MBA 18	0	a 30		Future extensions	
61	MBA 17	1	c 31			
62	MBA 17	0	a 31			
63	MBA 16	1	c 32			
64	MBA 16	0	a 32			

INTERNAL CABLE TYPE : 50 wire Flatcable
EXTERNAL CABLE TYPE 1:
EXTERNAL CABLE TYPE 2:
EXTERNAL CABLE TYPE 3:
EXTERNAL CABLE TYPE 4:

Drawn by	HO/kha	Remarks	Replacement for	Date
Approved		A-counter on 3008	Replaced by	Date
Date	29.6.79			

NORSK DATA A.S Oslo, Norway	Title NTB TELEPRINTER INTERFACE DEVICE CABLE WITH 1-4 PLUG MODIFIED 3013 CARD	Drawing no. 4-9449



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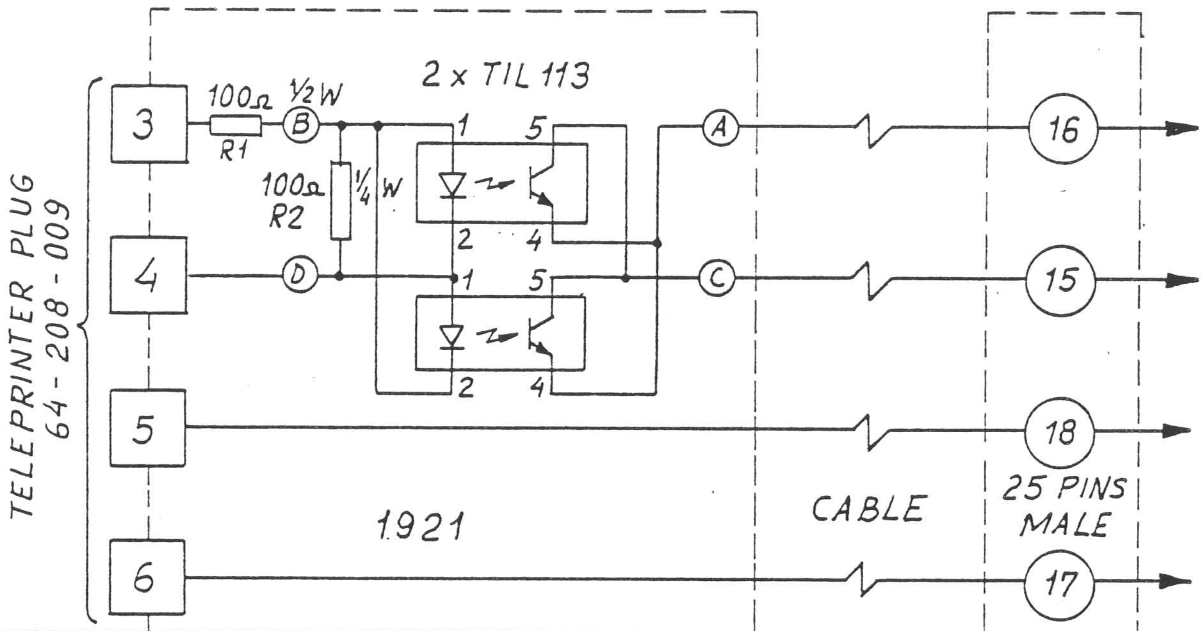
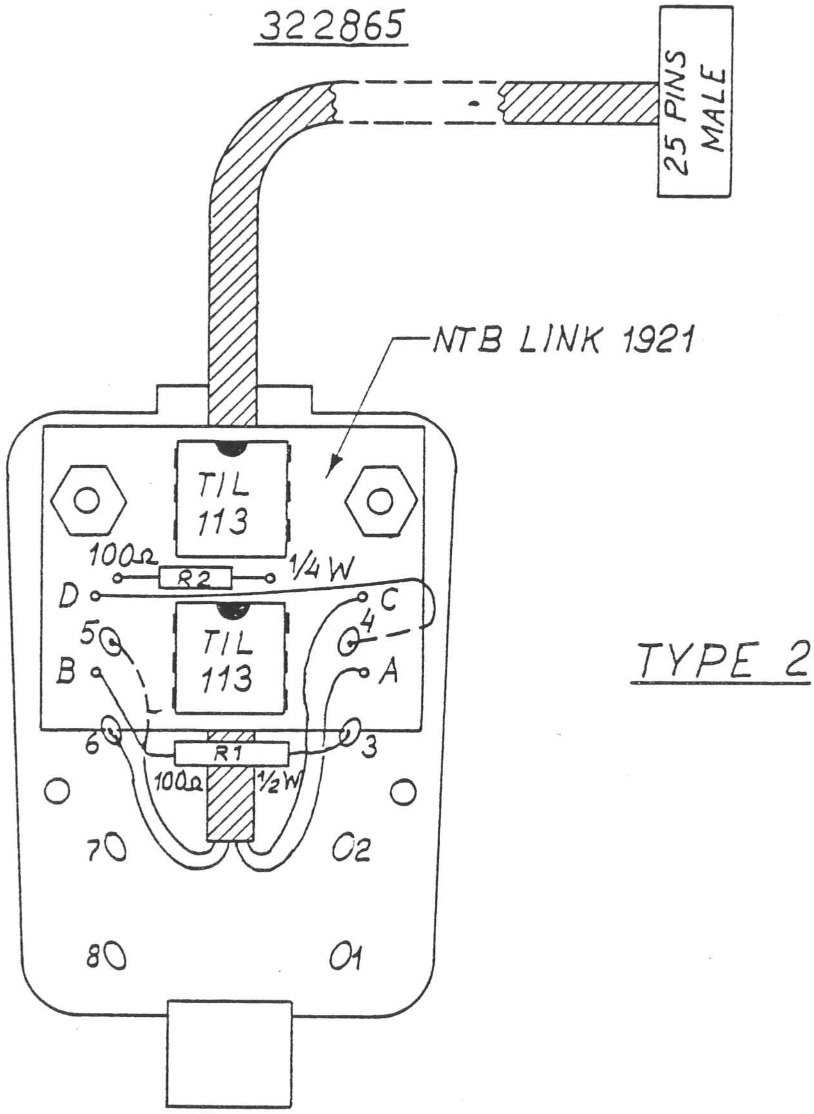
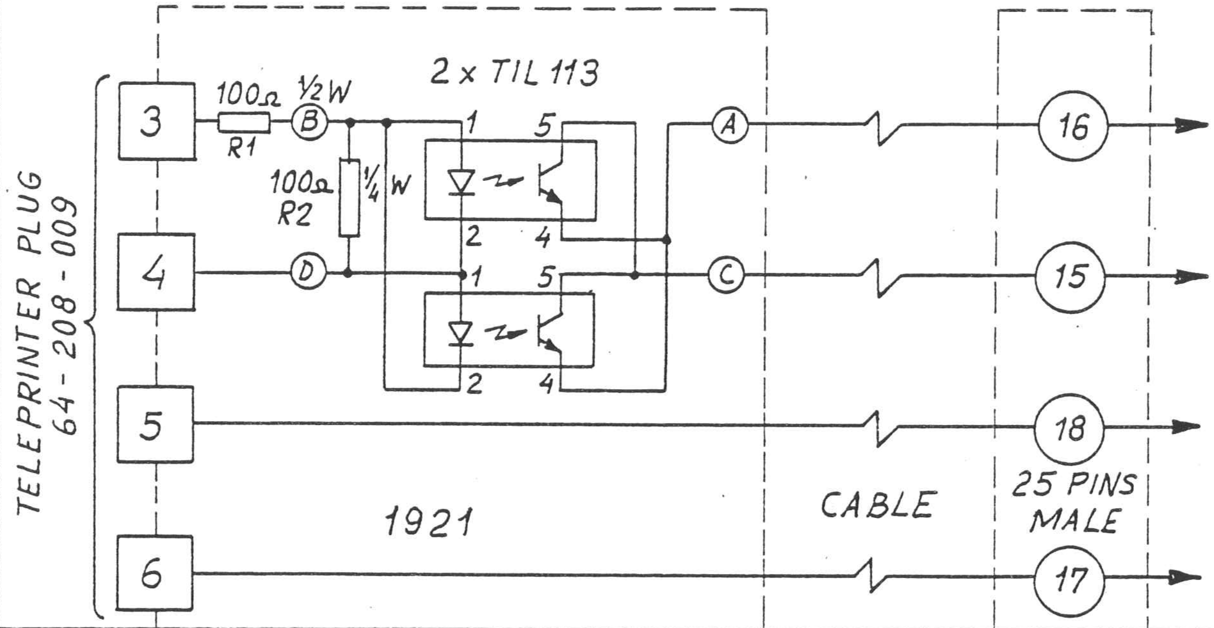


DRAWN BY MJM APPROVED BY DATE 4.9.80.	Remarks Circuit Diagram Arrangement Drawing Cable List	Replacement for Date Replaced by Date

NORSK DATA A.S Oslo, Norway	Title NTB TELEPRINTER INTERFACE DEVICE CABLE WITH 3-4 PLUG MODIFIED 3013 CARD	Drawing no. 4-9450





DRAWN BY MJM	Remarks	Replacement for	Date
APPROVED BY	Circuit Diagram Arrangement Drawing Cable List	Replaced by	Date
DATE 4.9.80.			

1.4 *SETTING OF DEVICE NUMBERS, IDENT CODES AND TRANSMISSION SPEEDS*

The system supervisor may have to change the settings of IOX device numbers, ident codes and transmission speeds of certain interface cards. Some tables are needed for this purpose.

1.4.1 *Synchronous Modem Coding*

On the NORD-10/S 1050 Synchronous Modem Buffer Card there are two select functions to be set.

Select 1: Device number, Position 15E
Select 2: Ident code, Position 1E

15E [4 3 2 1]→ to finger contacts 1E [4 3 2 1]→ to finger contacts

Device No.(IOX)	Modem No.(octal)	Ident Code	Device No. 15E1	15E2	15E3	15E4	Ident Code 1E1	1E2	1E3	1E4
100	1(0)	4	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
110	2(1)	14	OFF	OFF	OFF	ON	OFF	OFF	ON	ON
120	3(2)	20	OFF	OFF	ON	OFF	ON	ON	OFF	ON
130	4(3)	24	OFF	OFF	ON	ON	OFF	ON	OFF	ON

1.4.4 *Terminal Buffer (NORD-10 1095) Interface*

Device Number Selection

Device numbers are selected by the switches in position 9B. The combinations are:

Device No. (IOX)	Terminal/ Modem No.	9B1	9B2	9B3	9B4	9B5	
200	1	OFF	OFF	OFF	OFF	OFF	Asynchronous modem
210	2	OFF	OFF	OFF	OFF	ON	
220	3	OFF	OFF	OFF	ON	OFF	
230	4	OFF	OFF	OFF	ON	ON	
240	5	OFF	OFF	ON	OFF	OFF	
250	6	OFF	OFF	ON	OFF	ON	
260	7	OFF	OFF	ON	ON	OFF	
270	8	OFF	OFF	ON	ON	ON	
300	1	OFF	ON	OFF	OFF	OFF	Teletype display
310	2	OFF	ON	OFF	OFF	ON	
320	3	OFF	ON	OFF	ON	OFF	
330	4	OFF	ON	OFF	ON	ON	
340	5	OFF	ON	ON	OFF	OFF	
350	6	OFF	ON	ON	OFF	ON	
360	7	OFF	ON	ON	ON	OFF	
370	8	OFF	ON	ON	ON	ON	
1200	9	ON	OFF	OFF	OFF	OFF	Asynchronous modem
1210	10	ON	OFF	OFF	OFF	ON	
1220	11	ON	OFF	OFF	ON	OFF	
1230	12	ON	OFF	OFF	ON	ON	
1240	13	ON	OFF	ON	OFF	OFF	
1250	14	ON	OFF	ON	OFF	ON	
1260	15	ON	OFF	ON	ON	OFF	
1270	16	ON	OFF	ON	ON	ON	
1300	9	ON	ON	OFF	OFF	OFF	Teletype display
1310	10	ON	ON	OFF	OFF	ON	
1320	11	ON	ON	OFF	ON	OFF	
1330	12	ON	ON	OFF	ON	ON	
1340	13	ON	ON	ON	OFF	OFF	
1350	14	ON	ON	ON	OFF	ON	
1360	15	ON	ON	ON	ON	OFF	
1370	16	ON	ON	ON	ON	ON	

Input Channel (To the Computer):

	SWITCH SETTING				IOX (GP + 1) CONTENT IN A REGISTER	
	15E4	15E3	15E2	15E1	Bit 7 Bit 0	Octal
9600	ON	ON	ON	ON	X X X X 0 0 0 0	0
4800	ON	ON	ON	OFF	X X X X 0 0 0 1	1
2400	ON	ON	OFF	ON	X X X X 0 0 1 0	2
1200	ON	ON	OFF	OFF	X X X X 0 0 1 1	3
600	OFF	ON	ON	ON	X X X X 1 0 0 0	10
300	OFF	ON	ON	OFF	X X X X 1 0 0 1	11
200	OFF	OFF	ON	OFF	X X X X 1 1 0 1	15
150	OFF	ON	OFF	ON	X X X X 1 0 1 0	12
110	OFF	OFF	ON	ON	X X X X 1 1 0 0	14
100	OFF	OFF	OFF	ON	X X X X 1 1 1 0	16
75	OFF	ON	OFF	OFF	X X X X 1 0 1 1	13
50	OFF	OFF	OFF	OFF	X X X X 1 1 1 1	17

Output Channel (From the Computer):

	SWITCH SETTING				IOX (GP + 1) CONTENT IN A REGISTER	
	15E8	15E7	15E6	15E5	Bit 7 Bit 0	Octal
9600	ON	ON	ON	ON	0 0 0 0 X X X X	000
4800	ON	ON	ON	OFF	0 0 0 1 X X X X	020
2400	ON	ON	OFF	ON	0 0 1 0 X X X X	040
1200	ON	ON	OFF	OFF	0 0 1 1 X X X X	060
600	OFF	ON	ON	ON	1 0 0 0 X X X X	200
300	OFF	ON	ON	OFF	1 0 0 1 X X X X	220
200	OFF	OFF	ON	OFF	1 1 0 1 X X X X	320
150	OFF	ON	OFF	ON	1 0 1 0 X X X X	240
110	OFF	OFF	ON	ON	1 1 0 0 X X X X	300
100	OFF	OFF	OFF	ON	1 1 1 0 X X X X	340
75	OFF	ON	OFF	OFF	1 0 1 1 X X X X	260
50	OFF	OFF	OFF	OFF	1 1 1 1 X X X X	360

Note:
Input and output baud rates are selected by the same IOX instruction. If the A register is set to octal value 14 before the IOX instruction is executed, 110 baud will be selected for input, and 9600 baud will be selected for output. To get 110 baud on both the input and output channel, the octal value 314 should be placed in the A register before the IOX instruction is executed.

Terminal Buffer 1095

Select 3: Ident code

Position IE

7	6	5	4	3	2	1	→ to finger contacts

Teletype/ Modem No.			Ident Code	IE7	IE6	IE5	IE4	IE3	IE2	IE1
1	200		60	ON	OFF	OFF	ON	ON	ON	ON
2	210		61	ON	OFF	OFF	ON	ON	ON	OFF
3	220		62	ON	OFF	OFF	ON	ON	OFF	ON
4	230	Async.	63	ON	OFF	OFF	ON	ON	OFF	OFF
5	240	modem	64	ON	OFF	OFF	ON	OFF	OFF	ON
6	250		65	ON	OFF	OFF	ON	OFF	ON	OFF
7	260		66	ON	OFF	OFF	ON	OFF	OFF	ON
8	270		66	ON	OFF	OFF	ON	OFF	OFF	OFF
1	300		1	ON	ON	ON	ON	ON	ON	OFF
2	310		5	ON	ON	ON	ON	OFF	ON	OFF
3	320		6	ON	ON	ON	ON	OFF	OFF	ON
4	330	Teletype	7	ON	ON	ON	ON	OFF	OFF	OFF
5	340	display	44	ON	OFF	ON	ON	OFF	ON	ON
6	350		45	ON	OFF	ON	ON	OFF	ON	OFF
7	360		46	ON	OFF	ON	ON	OFF	OFF	ON
8	370		47	ON	OFF	ON	ON	OFF	OFF	OFF
9	1200		70	ON	OFF	OFF	OFF	ON	ON	ON
10	1210		71	ON	OFF	OFF	OFF	ON	ON	OFF
11	1220		72	ON	OFF	OFF	OFF	ON	OFF	ON
12	1230	Async.	73	ON	OFF	OFF	OFF	ON	OFF	OFF
13	1240	modem	74	ON	OFF	OFF	OFF	OFF	ON	ON
14	1250		75	ON	OFF	OFF	OFF	OFF	ON	OFF
15	1260		76	ON	OFF	OFF	OFF	OFF	OFF	ON
16	1280		77	ON	OFF	OFF	OFF	OFF	OFF	OFF
9	1300		50	ON	OFF	ON	OFF	ON	ON	ON
10	1310		51	ON	OFF	ON	OFF	ON	ON	OFF
11	1320		52	ON	OFF	ON	OFF	ON	OFF	ON
12	1330	Teletype	53	ON	OFF	ON	OFF	ON	OFF	OFF
13	1340	display	54	ON	OFF	ON	OFF	OFF	ON	ON
14	1350		55	ON	OFF	ON	OFF	OFF	ON	OFF
15	1360		56	ON	OFF	ON	OFF	OFF	OFF	ON
16	1370		57	ON	OFF	ON	OFF	OFF	OFF	OFF

Select 3: ident code

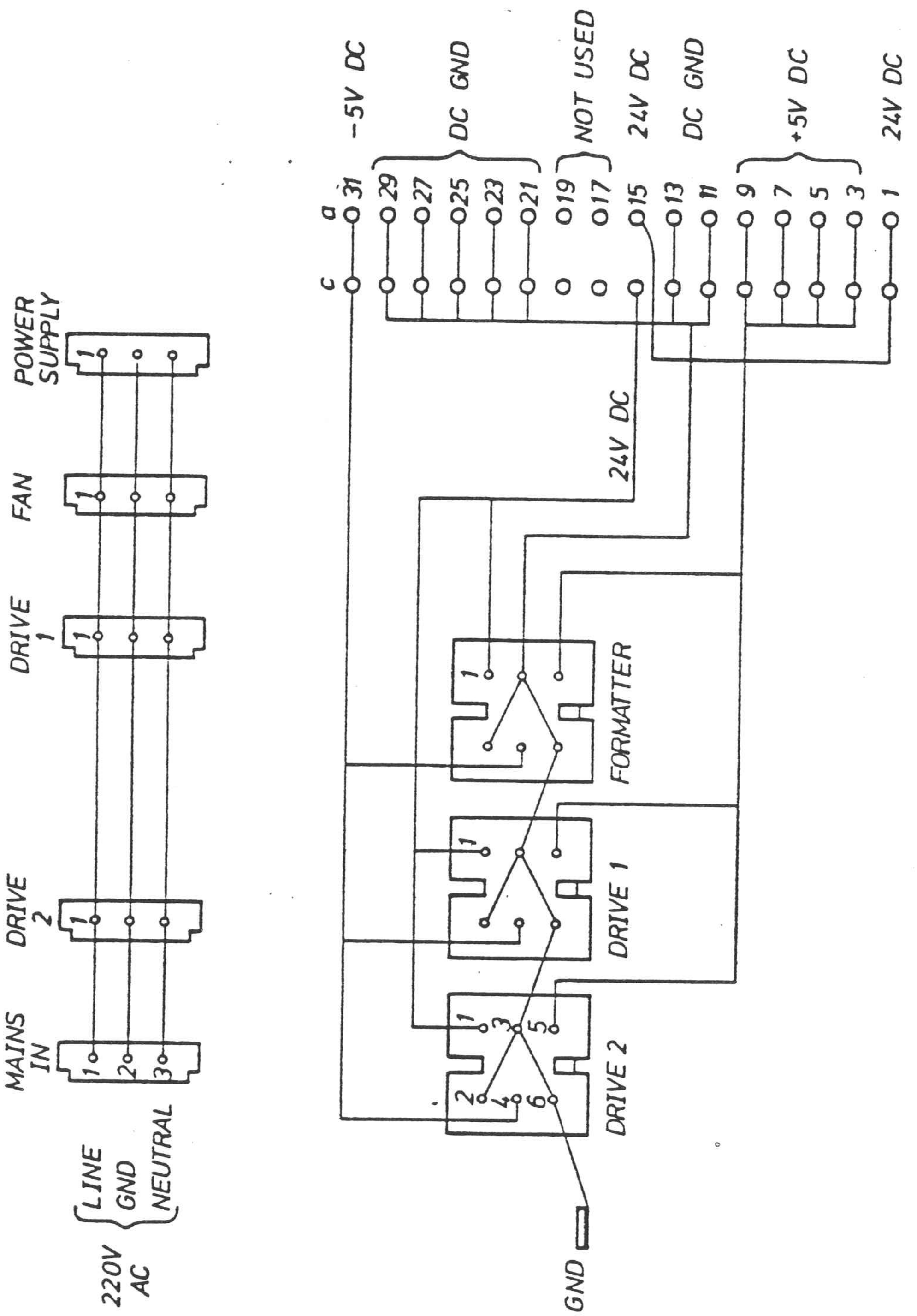
Position 1E

6	5	4	3	2	1

→ to finger contacts

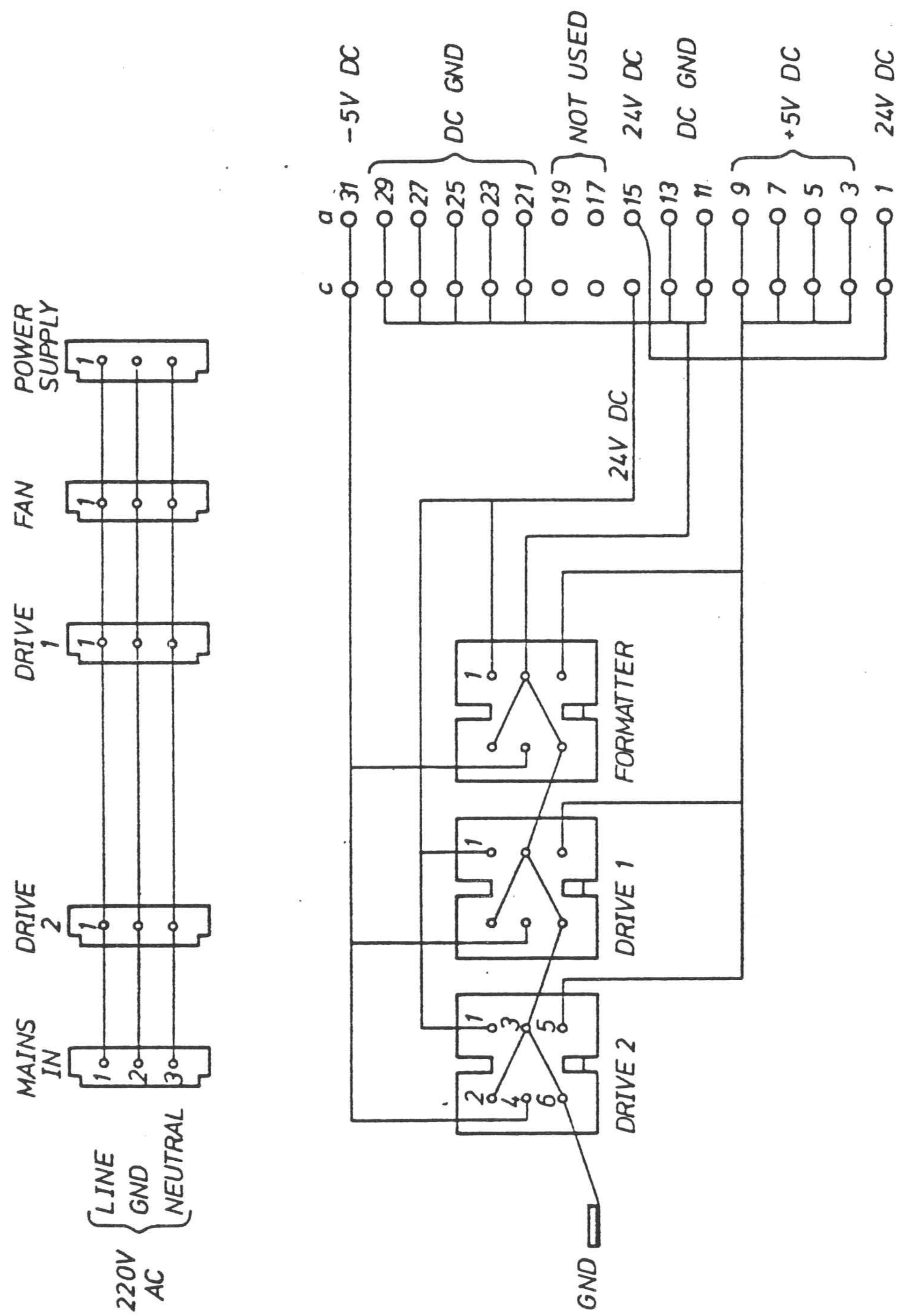
Teletype Number	IOX	Code Ident	1E1	1E2	1E3	1E4	1E5	1E6
1	300	1	OFF	ON	ON	ON	ON	ON
2	310	5	OFF	ON	OFF	ON	ON	ON
3	320	6	ON	OFF	OFF	ON	ON	ON
4	330	7	OFF	OFF	OFF	ON	ON	ON
5	340	44	ON	ON	OFF	ON	ON	OFF
6	350	45	OFF	ON	OFF	ON	ON	OFF
7	360	46	ON	OFF	OFF	ON	ON	OFF
8	370	47	OFF	OFF	OFF	ON	ON	OFF
9	1300	50	ON	ON	ON	OFF	ON	OFF
10	1310	51	OFF	ON	ON	OFF	ON	OFF
11	1320	52	ON	OFF	ON	OFF	ON	OFF
12	1330	53	OFF	OFF	ON	OFF	ON	OFF
13	1340	54	ON	ON	OFF	OFF	ON	OFF
14	1350	55	OFF	ON	OFF	OFF	ON	OFF
15	1360	56	ON	OFF	OFF	OFF	ON	OFF
16	1370	57	OFF	OFF	OFF	OFF	ON	OFF

NORSK DATA A.S Oslo, Norway	Title: FLOPPY POWER DISTRIBUTION	ID.NO 322763 · CARD C · PRINT C



DRAWN BY BW	Remarks: PRINT 1952	Replacement for	Date
APPROVED BY SEJ		Replaced by	Date
DATE 27.3.79			

NORSK DATA A.S Oslo, Norway	Title FLOPPY POWER DISTRIBUTION	ID.NO 322763	CARD C	PRINT C



DRAWN BY BW	Remarks	Replacement for	Date
APPROVED BY SEJ	PRINT 1952	Replaced by	Date
DATE 27.3.79			