DEC WANcontroller 618

digital ™   **Cabling Instructions and Specifications**

Cabling Instructions

To install the DEC WANcontroller 618, perform the following steps:

1.	Check kit contents	*See* this card
2.	Assemble the distribution panel	*See* this card
3.	Install the Network Interface Card (NIC)	*See* Note
4.	Install the distribution panel and connecting cable	*See* this card
5.	Attach the communication cables	*See* this card
6.	Enable the NIC	*See* Note

Note

Details of steps 3 and 6 are in the *Installation and Service Manual* for your DECNIS.
IMPORTANT: Steps 3 and 6 can only be performed by a service person (refer to the *Installation and Service Manual* for your DECNIS.

Kit Contents

Option DNSCA–**xx**　　=　　DNSAA–AA　　+　　DNSXH–**xx**

Option DNSAA–AA

☐　DEC WANcontroller 618 Network Interface Card (NIC)

☐　50-way loopback connector (male), DNSXT–CA
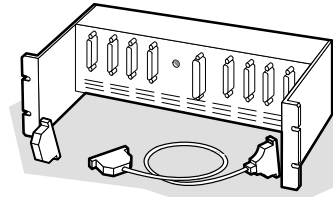
☐　Documentation set:

　　DEC WANcontroller 618 Cabling Instructions
　　and Specifications
　　DEC WANcontroller 618 Problem Solving
　　DEC WANcontroller 618 Configuration Card
　　DEC WANcontroller 618 PTT Information

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Option DNSXH–**xx**

☐　Connecting cable, BN23A–02

☐　Distribution panel

☐　Loopback connector

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XX represents the electrical in-
terface of the distribution panel
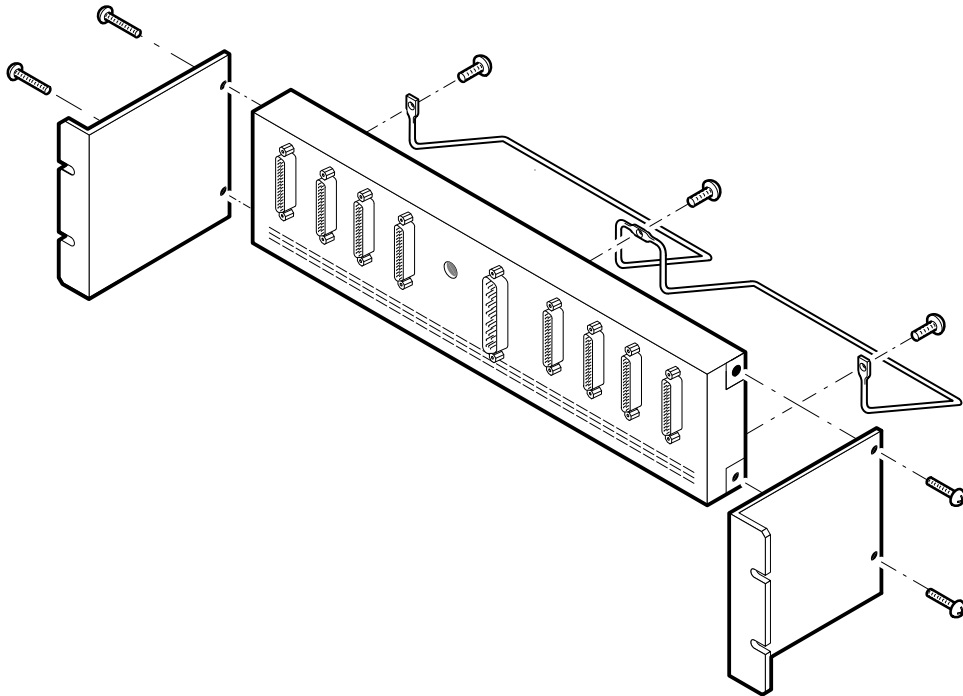and cable loopback connector
provided with the kit.

xx	Electrical Interface	Loopback Connector
AB	V.35	H3250
AC	V.11/V.36,EIA–422	H3198
AD	V.28/V.24,EIA–232D	H3266

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Assembling the Distribution Panel

1. The distribution panel kit contains the following items:

    ☐   1 distribution panel
    ☐   2 side panels
    ☐   1 cable rail
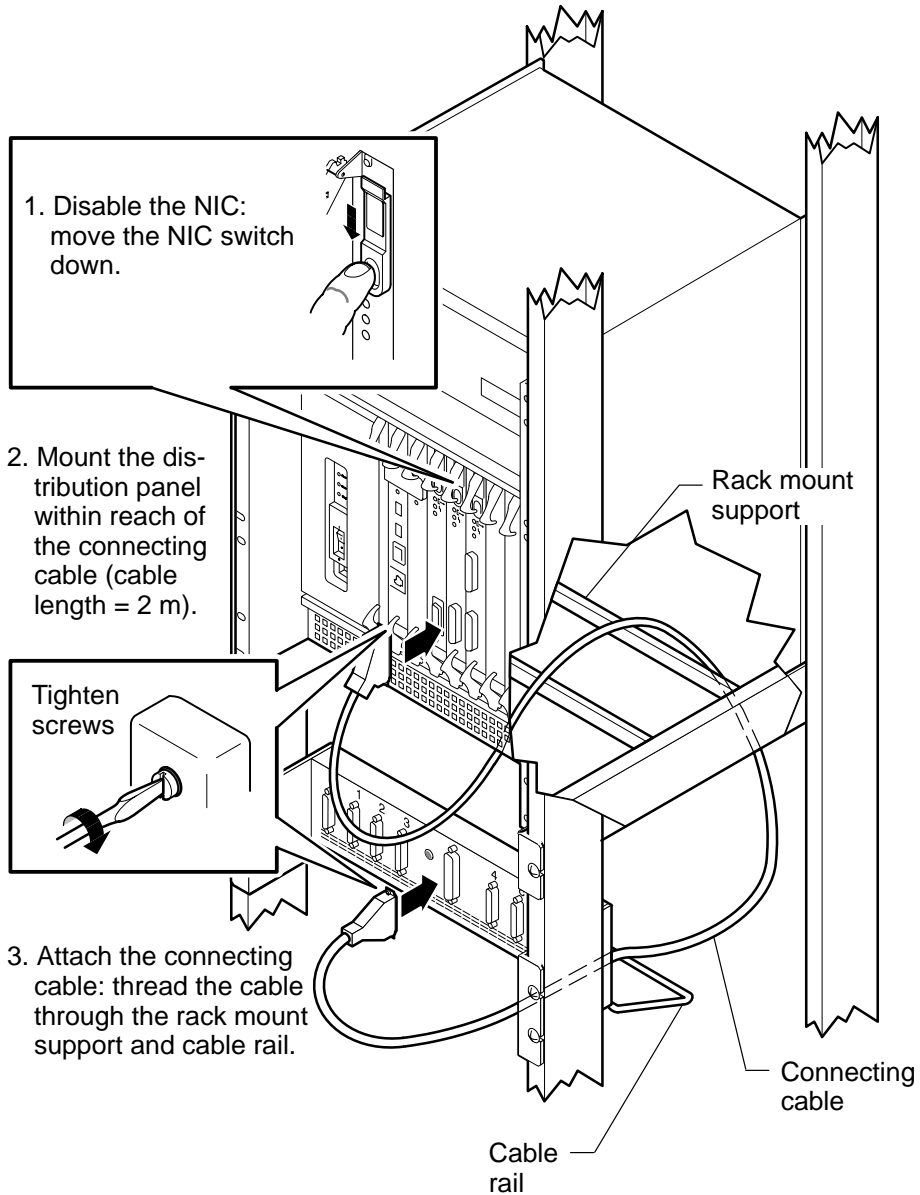   ☐   4 plastic insulating tabs
    ☐   11 screws

2. Assemble the distribution panel:

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Installing the Distribution Panel and Connecting Cable

Always disable the NIC *before* you attach or remove the connecting cable

1. Disable the NIC: move the NIC switch down.

2. Mount the distribution panel within reach of the connecting cable (cable length = 2 m).

Tighten screws

Rack mount support

3. Attach the connecting cable: thread the cable through the rack mount support and cable rail.
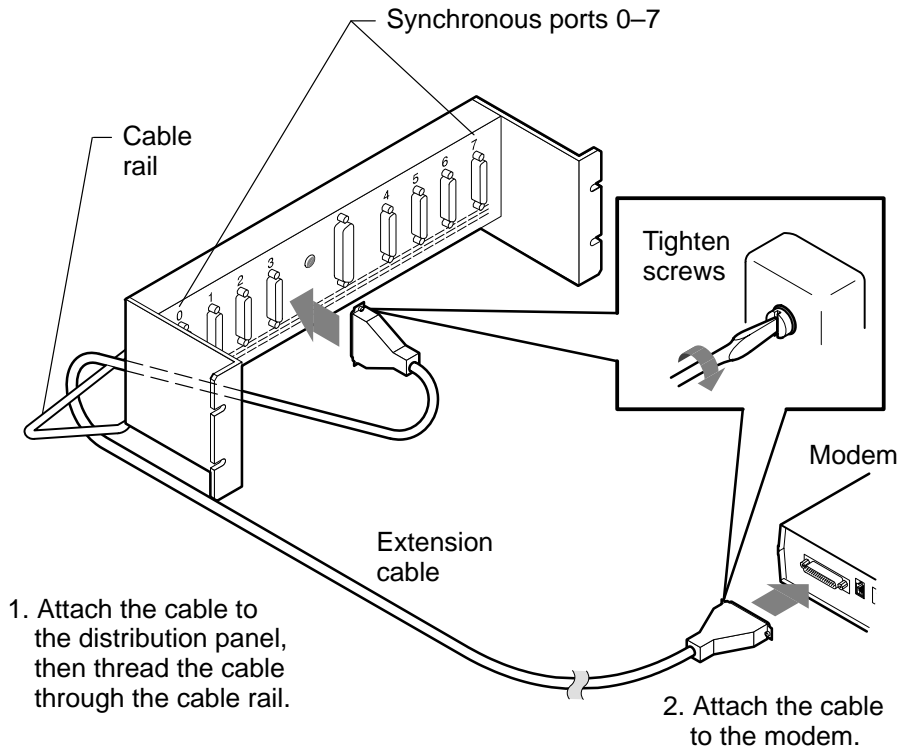
Connecting cable

Cable rail

TO REMOVE THE DISTRIBUTION PANEL, disable the NIC, detach the connecting cable, then remove the panel.

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Attaching the Communication Cables

You do not need to disable the NIC when attaching these cables.

Notes	● V.35	The distribution panel provides ground strap holes on either side of each port.
	● V.24. EIA–232D	Use an EIA–232C adapter connector (Part 12–27591–01) if you are using EIA–232C devices.
	● BT Kilostream ®	Use the BT Kilostream adapter cable with the V.11/V.36, EIA-422 distribution panel.

Synchronous ports 0–7

Cable rail

Tighten screws

Modem

Extension cable

1. Attach the cable to the distribution panel, then thread the cable through the cable rail.

2. Attach the cable to the modem.

TO REMOVE THE CABLE, unfasten the cable plug screws before you detach the cable from the distribution panel and modem.

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Cabling Information

Extension Cables

Electrical Interface	Part number
V.24/V.28, EIA–232D	BC22F–**xx**
V.36/V.11, EIA–422	BC55D–**xx**
V.35	BC19L–**xx**
For BT Kilostream ® extension (see below)	BC22Z–**xx**

where **xx** represents cable lengths as follows:

25	7.6 m	(25 ft)
50	15.2 m	(50 ft)
75	22.9 m	(75 ft)
A0	30.5 m	(100 ft)

In NET countries (Normes Europiennes de Telecommunications), the total length of V.35 cable must not exceed 27 feet.
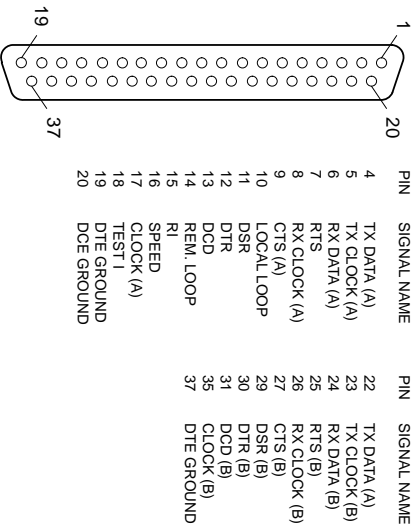
BT Kilostream
There is no distribution panel for BT Kilostream. Connect to BT Kilostream through the V.36 distribution panel: use the BT Kilostream adapter cable (part no. BC21G–02).
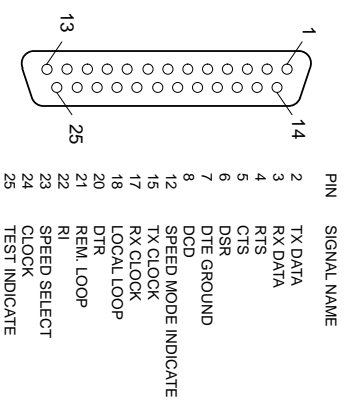If the connection needs to be extended, use X.21 synchronous cables.

® Kilostream is a registered trademark of British Telecommunications, plc.
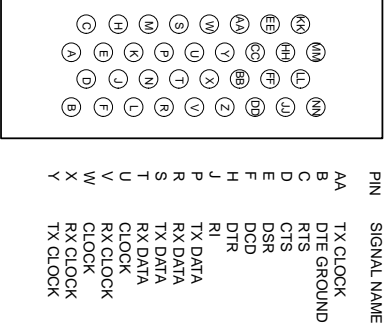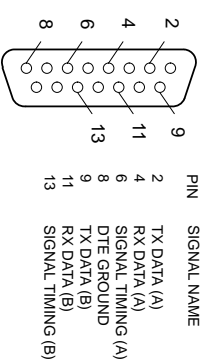
Pin Assignments

V.36/V.11, EIA-422 (37-way)

PIN	SIGNAL NAME	PIN	SIGNAL NAME
4	TX DATA (A)	22	TX DATA (A)
5	TX CLOCK (A)	23	TX CLOCK (B)
6	RX DATA (A)	24	RX DATA (B)
7	RTS	25	RTS (B)
8	RX CLOCK (A)	26	RX CLOCK (B)
9	CTS (A)	27	CTS (B)
10	LOCAL LOOP	29	DSR (B)
11	DSR	30	DTR (B)
12	DTR	31	DCD (B)
13	DCD	35	CLOCK (B)
14	REM. LOOP	37	DTE GROUND
15	RI		
16	SPEED		
17	CLOCK (A)		
18	TEST1		
19	DTE GROUND		
20	DCE GROUND		

V.35 (34-way)

PIN	SIGNAL NAME
AA	TX CLOCK
B	DTE GROUND
C	RTS
D	CTS
E	DSR
F	DCD
H	DTR
J	RI
P	TX DATA
R	RX DATA
S	TX DATA
T	RX DATA
U	CLOCK
V	RX CLOCK
W	CLOCK
X	RX CLOCK
Y	TX CLOCK

V.24/V.28, EIA-232D (25-way)

PIN	SIGNAL NAME
2	TX DATA
3	RX DATA
4	RTS
5	CTS
6	DSR
7	DTE GROUND
8	DCD
12	SPEED MODE INDICATE
15	TX CLOCK
17	RX CLOCK
18	LOCAL LOOP
20	DTR
21	RI
22	REM. LOOP
23	SPEED SELECT
24	CLOCK
25	TEST INDICATE

NOTE for V.24 / V.28, EIA-232D:
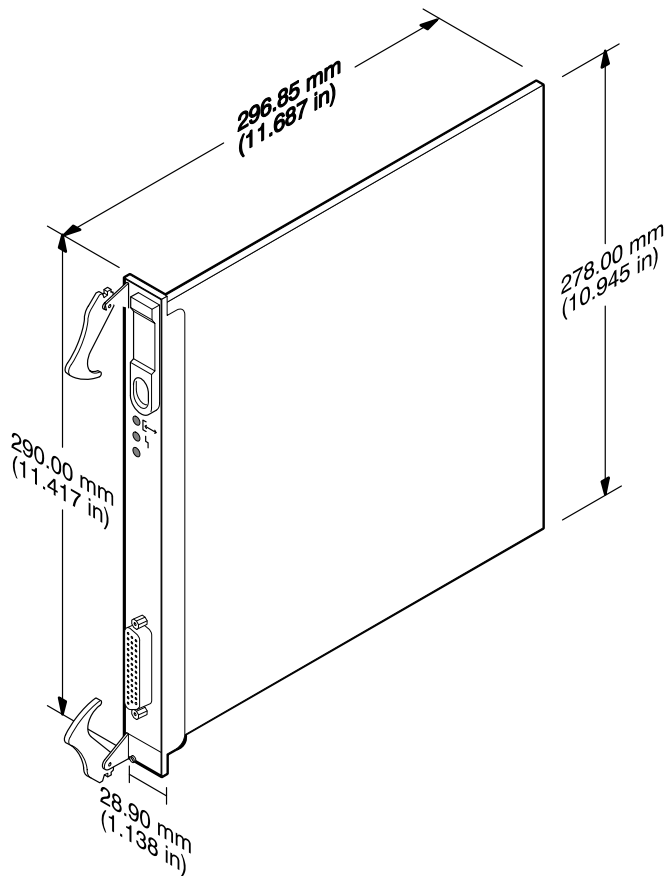Use the EIC-232C adapter connector if using EIA-232C devices.

BT Kilostream (15-way)

PIN	SIGNAL NAME
2	TX DATA (A)
4	RX DATA (A)
6	SIGNAL TIMING (A)
8	DTE GROUND
9	TX DATA (B)
11	RX DATA (B)
13	SIGNAL TIMING (B)

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Specifications

Communication Specifications

Line speeds	0.3–64.0 Kbits/s
Number of lines	8
Line interfaces	V.36/V.11, EIA-422
	V.24/V.28, EIA-232D
	V.35
	BT Kilostream (see *Cabling Information*)
NRZI signalling	Optional
Modem control	Full control on each line, except BT Kilostream

Physical Specifications

Weight	=	0.6 kg (1.325 lb)

296.85 mm (11.687 in)

278.00 mm (10.945 in)

290.00 mm (11.417 in)

28.90 mm (1.138 in)

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