

Perle Router Cables

This document describes the cables used by the Perle family of routers. These cables are fully described in the respective product manuals.

Perle P840

Required Cables	Description
Console cable	RJ45 <—> DB9 (F) (See Cable 1)
ISDN	RJ45 <—> RJ45

Perle P850

Required Cables	Description
Console cable	RJ45 <—> DB9 (F) (See Cable 1)
V.35	DB25 (M) <—> V.35 (M) (See Cable 2)
V.24	DB25 (M) <—> DB25 (M) (straight through)
X.21	DB25 (M) <—> DB15 (M) (See Cable 3)

Perle 1700

Required Cables	Description
Console cable	DB25 (M) <—> DB9 (F) (standard mapping)
V.24	DB25 (M) <—> DB25 (M) (straight through)
V.35	DB25 (M) <—> V.35 (M) (See Cable 4) See Part # 04010230
X.21	DB15 (M) <—> DB15 (M) (straight through)
RS422	DB25 (M) <—> DB25 (M) (straight through)
ISDN S, U	RJ45 <—> RJ45
CSU/DSU	RJ45 <—> RJ45

Notes:

1. The V.35 connector is designated as M.34
2. Cable diagrams and additional details are in the appendices of the User and System Administration Guides.

Perle P2600

Required Cables	Description
Console cable	DB25 (M) <—> DB9 (F) (Standard mapping)
V.24	DB25 (M) <—> DB25 (M) (straight through)
V.35	DB25 (M) <—> V.35 (M) (See Cable 5) See Part # 04010230
X.21	DB15 (M) <—> DB15 (M) (straight through)
RS422	DB25 (M) <—> DB25 (M) (straight through)
ISDN S, U	RJ45 <—> RJ45
CSU/DSU	RJ45 <—> RJ45

Cable 1: Console: RJ45 <—> DB9 (F)

RJ45		DB9 (F)
2	-----	8
3	-----	4
4	-----	5
5	-----	2
6	-----	3
7	-----	6
8	-----	1

Cable 2: V.35: DB25 (M) <—> M.34 (M)

Note: Perle850 ONLY

DB25	-----	M.34 (M)
1	-----	A
2	-----	P
3	-----	R
4	-----	C
5	-----	D
6	-----	E
7	-----	B
8	-----	F
9	-----	X
11	-----	W
12	-----	AA
14	-----	S
15	-----	Y
16	-----	T
17	-----	V
18	-----	L
20	-----	H
21	-----	N
24	-----	U
25	-----	NN

Notes:

1. The connecting cable must be shielded.
2. The following circuits should be connected to twisted pairs within the connecting cable:
 2 – 14; 3 – 16; 9 – 17; 11 – 24; 12 – 15;

Cable 3: X.21: DB25 (M) \longleftrightarrow DB15 (M)

Note: Perle P1700 ONLY

DB25		DB15 (M)
1	-----	1
2	-----	2
3	-----	4
7	-----	8
8	-----	5
10	-----	12
12	-----	13
14	-----	9
15	-----	6
16	-----	11
20	-----	3
23	-----	10

Cable 4: V.35: DB25 (M) <—> M.34 (M)

DB25 (M)	-----	M.34 (M)
1	-----	A
4	-----	C
6	-----	E
7	-----	B
8	-----	F
9	-----	P
10	-----	S
11	-----	R
12	-----	T
14	-----	V
16	-----	X
18	-----	U
19	-----	W
20	-----	H
22	-----	J
23	-----	Y
25	-----	a

Notes:

1. The connecting cable must be shielded.
2. The following circuits should be connected to twisted pairs within the connecting cable:
 9 – 10; 11 – 12; 14 – 16; 18 – 19; 23 - 25