ThePATCHCORD. RJ45 small diameter cable
TECHNICAL DATA SHEET
UTP Cat. 6A, (10Gb/s) Compatible Cat. 6 and 5E

ThePATCHCORD. RJ45 Patch Cords are designed, and individual tested for connections between the network equipment and patch panels, and for network user outlet. They are guaranteed for cat 6A, cat 6 and cat 5E TIA/EIA-568-C.2 component tests, to get a Channel Link certified on a Permanent Link certified for transmission frequencies of up to 500 MHz. They are compatible with the 10 Gigabits applications, and standard compliance with Amendment 1 and 2 to ISO/IEC 11801, 2nd Ed.

ThePATCHCORD. main characteristics

- Small cable diameter, AWG 28
- Slim Connector Insert :
  - designed to improve NEXT and RL for 10 Gigabits applications,
  - designed for high density panels and active components (same size as the plug in width and height)
- Certified for 10 Gb/s applications
- 18 available lengths from 0.5 feet (0.15m) up to 100 feet (30m)
- Colour of sheath: 10 colors available with blue marking
- Colour of boot: White

Number of pairs	4
Type	U-UTP
Conductor	Stranded bare copper wire, 4 / 0.2 mm +/- 0.005 mm
Wire Gauge	28 AWG
Insulation	HDPE
Individual pair screen	None
Pair Screen	None
Drain	None
Jacket	PVC with blue printing
Overall diameter	3.8 +/- 0.2 mm
Bending radius	15,2 mm
Plug housing	UL 1863 Polycarbonate ,individual wire guide and management bar
Contacts	Moved contacts
Contact Plating	50 µ inches gold minimum (1.2 µm)
Shielding	None
Power Over Ethernet (POE)	Compatible POE, POE+, et 4PPOE (See the recommendations of TSB-184-A and TIA/EIA-568.2-D)

Mechanical Properties of the cable

Fire Propagation Test	Temperature range During operation	Fire load	Bending radius
UL 444 VW 1 Flame test	-20°C up to +75°C	372 MJ/km	>25 mm without load

Electrical Properties of the cable (at 20°C +/- 5°C)

Conductor resistance	Insulation resistance	Pair to ground unbalance capacitance	Impedance 1-100MHz	Impedance 100-250MHz	Propagation delay (1-250 mHz)	Test voltage in air
< 223 Ω/km	> 5 000 MΩ/km	Nom. 3.3nF/km	100 +/- 15 Ω	100 +/- 15 Ω	< 45 ns/100m	2000 V

Created: 2019-08-09

The PATCHCORD.
Your RJ45 patch cords up to 10 Gb/s

10 COLORS

VIOLET RED
P/N = TPC-VR-U/XX

STANDARD GREEN
P/N = TPC-SG-U/XX

APPLE GREEN
P/N = TPC-AG-U/XX

STANDARD YELLOW
P/N = TPC-SY-U/XX

STANDARD ORANGE
P/N = TPC-OR-U/XX

STANDARD RED
P/N = TPC-SR-U/XX

STANDARD BLUE
P/N = TPC-SB-U/XX

LIGHT BEIGE
P/N = TPC-LB-U/XX

LIGHT GREY
P/N = TPC-LG-U/XX

BRILLANT WHITE
P/N = TPC-BW-U/XX

18 LENGTHS

ft	0,5	1	2	3	4	5	6	7	8	9	10	13	16	25	32	50	82	100
m	0,15	0,30	0,60	0,90	1,20	1,50	1,80	2,10	2,40	2,70	3,10	4,00	4,90	7,60	9,70	15,20	25,00	30,00