

Category 6 UTP or FTP Patch Cable 26 & 24AWG, PVC or HFFR Sheath

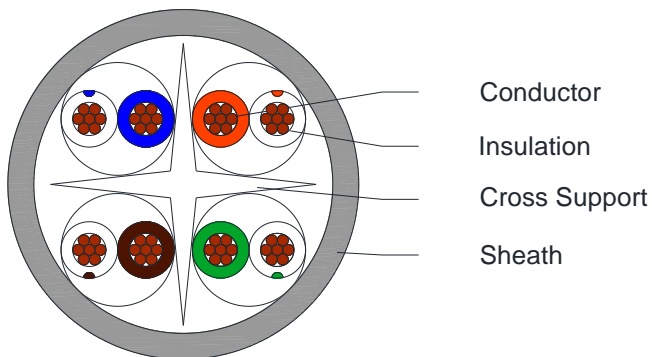


CI540, CI550, CI560, CI570, CI514, CI516, CI614, CI616

Applications

Twisted pair cable suitable in patch cords for Ethernet, Analogue & Digital video applications

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Bare Copper Wire
Insulation	Solid Polyethylene Pair 1: WHITE-Blue/Blue Pair 2: WHITE-Orange/Orange Pair 3: WHITE-Green/Green Pair 4: WHITE-Brown/Brown
Cabling	4 Pairs Twisted together with Cross Support
Screen (For FTP)	Al/PET Tape
Sheath	Polyvinyl Chloride (PVC) Halogen Free Flame Retardant (HFFR) Colour: On Customers request
Standard Put Up Length	On Customers request

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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C1540, C1550, C1560, C1570, C1514, C1516, C1614, C1616

Physical Characteristics

Part Number	C1540	C1514	C1614	C1550	C1560	C1516	C1616	C1570
Sheath Material	PVC	PVC CM	PVC CMR	HFFR	PVC	PVC CM	PVC CMR	HFFR
Screen type	UTP				FTP			
No. of Pairs	4							
Conductor configuration (AMG)	24(7 x 32)				26(7 x 34)			
Nom. Radial Thickness Sheath (mm)	0.5							
Nom. Overall Diameter (mm)	5.9				6.20			
Operating Temperature (°C)	-20°C to +60°C							
Min. Bend Radius (install) (mm)	59				62			
Nominal Cable Weight (kg/km)	30				33			

Electrical Characteristics (1)

Nominal Conductor Resistance (Ohm/100m)		Mean Characteristic Impedance (1 – 250 MHz) (Ω)	Nominal Velocity of Propagation (%)	Maximum Delay Skew (ns/100m)	Maximum Operating Voltage (Volts RMS)
24AWG	26AWG				
9.38	14.3	100 ± 15	67	45	300

Electrical Characteristics (2)

Frequency (MHz)	Return Loss (dB/100m)	Maximum Attenuation (dB/100m)		Minimum NEXT (dB)	Minimum PSNEXT (dB)	Minimum ELFEXT (dB)	Minimum PSELFEXT (dB)
		24AWG	26AWG				
1	20.0	2.4	3.1	74.3	72.3	67.8	64.8
4	23.0	4.6	6.1	65.3	63.3	56.0	53.0
10	25.0	7.2	8.6	59.3	57.3	48.0	45.0
16	25.0	9.1	12.4	56.2	54.2	43.9	40.9
20	25.0	10.2	13.9	54.8	52.8	42.0	39.0
31.25	23.3	12.9	17.6	51.9	49.9	38.1	35.1
62.5	20.7	18.6	25.5	47.4	45.4	32.1	29.1
100	19.0	23.9	33.0	44.3	42.3	28.0	25.0
200	16.4	35.0	48.6	39.8	37.8	22.0	19.0
250	15.5	39.4	55.3	38.3	36.3	20.0	17.0

Reference Standards

EN 50290-2	IEC 60332-1
TIA/EIA 568C.2	IEC 60754-1&-2, IEC 61034 for HFFR cable only
ISO 11801	UL 1685 for CM, UL1666 for CMR
IEC 60228	RoHS Directives