

Category 5E UTP or FTP Patch Cable 26 & 24AWG, PVC or HFFR Sheath

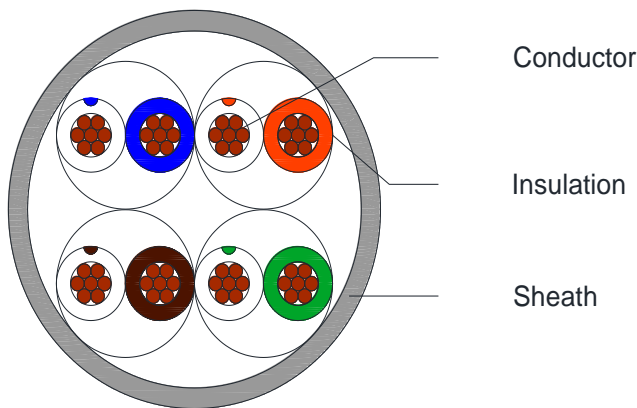


CI500, CI510, CI520, CI530, CI511, CI512, CI610, CI612

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
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.

Category 5E UTP or FTP Patch Cable 26 & 24AWG, PVC or HFFR Sheath



C1500, C1510, C1520, C1530, C1511, C1512, C1610, C1612

Physical Characteristics

Part Number	C1500	C1511	C1610	C1510	C1520	C1512	C1612	C1530
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)	5.2				5.10			
Operating Temperature (°C)	-20°C to +60°C							
Min. Bend Radius (install) (mm)	52				51			
Nominal Cable Weight (kg/km)	28				30.4			

Electrical Characteristics (1)

Nominal Conductor Resistance (Ohm/100m)		Characteristic Impedance (1 – 100 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	65.3	62.3	63.8	60.8
4	23.0	4.9	6.1	56.3	53.3	51.8	48.8
8	24.5	6.9	8.6	51.8	48.8	45.7	42.7
10	25.0	7.8	9.7	50.3	47.3	43.8	40.8
16	25.0	9.9	12.4	47.2	44.2	39.7	36.7
20	25.0	11.1	13.9	45.8	42.8	37.8	34.8
25	24.2	12.5	15.6	44.3	41.3	35.8	32.8
31.25	23.3	14.1	17.6	42.9	39.9	33.9	30.9
62.5	20.7	20.4	25.5	38.4	35.4	27.9	24.9
100	19.0	26.4	33.0	35.3	32.3	23.8	20.8

Reference Standards

ISO 11801, ANSI/TIA/EIA-568-C2	IEC 61034, IEC 60754-1 & 2 (HFFR only)
EN 50290-2	UL 1685 for CM, UL1666 for CMR
IEC 60332-1	RoHS directives