

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

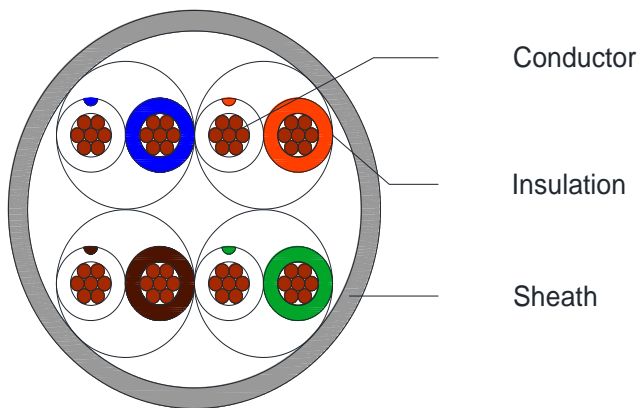


C1500, C1510, C1520, C1530

## 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

## Physical Characteristics

Part Number	C1500	C1510	C1520	C1530
Sheath Material	PVC	HFFR	PVC	HFFR
Screen type	UTP	UTP	FTP	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	52	51	51
Nominal Cable Weight (kg/km)	28	28	30.4	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	45	67	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

TIA/EIA 568C.2	IEC 60332-1
ISO 11801	IEC 60754-1&-2, IEC 61034 for HFFR cable only
IEC 60228	RoHS Directives