

Category 6A Data Cables

U/UTP, F/UTP or U/FTP, 23AWG

HFFR/LSZH Sheath

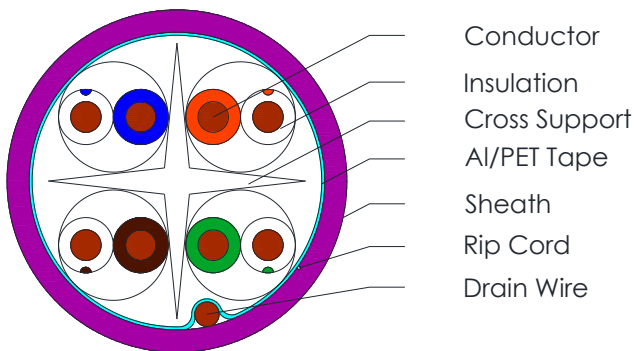


C5533, C5534, C5535

Application

Twisted pair cable suitable for High Speed Local Area Networks and Analogue & Digital video applications

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid Plain Copper Wire
Insulation	Polyethylene Pair 1: WHITE-Blue/Blue Pair 2: WHITE-Orange/Orange Pair 3: WHITE-Green/Green Pair 4: WHITE-Brown/Brown
Pair	Two wires twisted together
U/UTP	No screen
F/UTP	Overall screen of Aluminium/Polyester Foil with tinned copper drain wire
U-FTP	Each pair shielded with Aluminium / Polyester foil, with tinned copper drain wire, no overall screen
Rip Cord	Nylon Yarn
Sheath Material	Halogen Free, Flame Retardant (HFFR/LSZH) Standard Color: Purple
Standard Put Up Length	305 Metres

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

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Physical Characteristics

Part Number	C5533	C5534	C5535
Screen type	UTP	FTP	U-FTP
No. of Pairs	4		
Conductor (AWG)	23		
Conductor diameter (mm)	0.55	0.53	0.53
Insulation diameter (mm)	1.05	1.26	1.26
Drain Wire Size (AMG)	-	26	26
Screen Coverage (%)	-	115	115
Nom. Radial Thickness Sheath (mm)	0.5		
Nom. Overall Diameter (mm)	7.0	6.8	7.0
Operating Temperature (°C)	-20°C to +75°C		
Min. Bend Radius (install) (mm)	70	72	78
Maximum Pulling Tension (Newton)	160	200	210

Electrical Characteristics at 20°C

Max. DC resistance conductor ($\Omega/100m$)		Channel Test	Velocity of Propagation (%)	Maximum Delay Skew (ns/100m)	Max. Operating Voltage (Volts RMS)
UTP	FTP/U-FTP				
9.38	7.69	Pass	65	45	300

Reference Standards

EN 50290-2	IEC 61034
ISO 11801	IEC 60754-1 & 2
ANSI/TIA/EIA-568-C2	IEC 60332-1
RoHS directives	