



Ref No: BCS17965-PE

DESCRIPTION :

Category 6 Cable, CAT6 4 Pair, U/UTP, OUTDOOR RATED - PE- BLACK

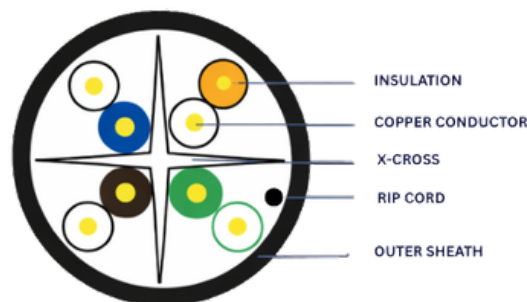
Premise Horizontal Cable (250MHz), 4-Pair, 23 AWG solid bare copper conductors, U/UTP, Polyethylene insulation,

APPLICATION :

Twisted pair indoor LSZH cable suitable for Local Area Networks and Video Applications

CONSTRUCTION :

Cores	4 Pair
Section	23AWG
Conductor Material	Bare Copper
Insulation	High-Density Polyethylene (HDPE)
Colour Code	Pair 1: WHITE/Blue + BLUE Pair 2: WHITE/Orange + ORANGE Pair 3: WHITE/Green + GREEN Pair 4: WHITE/Brown + BROWN
Rip Cord	Nylon Yarn
Sheath Material	LSZH/HFFR
Sheath Color	Black
Standard Put Up Length	305, 500 meters



STANDARD REFERENCES

EN 50290-2, IEC 60332-1

ANSI/TIA/EIA-568-C2

ISO 11801

RoHS Directives

TRANSMISSION PERFORMANCE :

Frequency (MHz)	ATTENUATION (Max.dB/100m)	NEXT (>dB)	PS NEXT (Min.dB)	Return Loss(>dB)	ELFEXT (Min.dB/100m)	PSELFEXT (Min.dB/100m)
1	1.9	87.6	82.6	28.0	85.0	80.0
4	3.5	79.2	74.2	30.0	73.0	68.0
10	5.6	73.3	68.3	29.0	65.0	60.2
20	8.4	69.1	63.8	29.0	59.0	54.0
31.25	10.0	66.0	61.1	28.6	55.1	50.3
100	18.9	58.0	53.0	25.1	45.0	40.1
150	24.0	55.2	50.7	23.8	41.8	36.9
200	26.1	53.0	48.0	22.8	39.0	33.8
250	30.0	52.6	47.6	22.0	37.8	32.8

PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-15°C to +70°C
Screen type	U/UTP
Nominal Cable Weight (kg/km)	42
Nominal Sheath Thickness (mm)	0.6
Nominal Overall Diameter (mm)	6.2
Min. Bend Radius (install) (mm)	8xD (Overall diameter)
Max. Pull Tension (N)	159

ELECTRICAL CHARACTERISTICS

Conductor Resistance (Ohm/100m)	≤ 9.37 Ohm/100m
Mutual Capacitance (pF/m)	≤ 5.7 pF/m
Impedance (Ohm)	100 ± 15
Velocity of Propagation (%)	68
Maximum Delay Skew (Ns/100m)	46
Max. Operating Voltage (Volts RMS)	300 V (Vrms)

BELFAST ACCREDITED BY:



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Disclaimer: Information is believed to be accurate but may contain errors. Specifications may change without notice.



COMPANY PROFILE