



Ref No: BCS110GXE01

DESCRIPTION :

Category 6A Cable,CAT6A F/FTP 10G 4-PAIR 23AWG LSZH WHITE CABLE

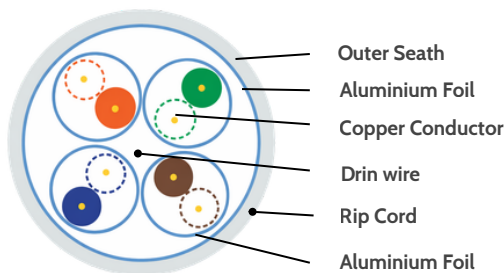
Premise Horizontal Cable (500MHz), 10G, 4-Pair, 23 AWG solid bare copper conductors, F/FTP (HDPE) insulation, LSZH

APPLICATION :

Suitable for Local Area Networks (LAN) and analog & digital 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	White
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)	Min.Return Loss(dB/100m)	Max. Attenuation (dB)	NEXT (dB)	PSNEXT (ns/100m)	PSELFEXT (dB)	ZIN (dB)	ELFEXT (dB)
1	20.0	3.7	74.3	72.3	55.9	100±15	61.0
10	25.0	5.8	59.3	57.3	45.0	100±15	48.0
31.25	23.6	10.4	51.9	49.9	35.1	100±15	38.1
100	20.1	19.0	44.3	42.3	25.0	100±15	28.0
300	17.3	34.2	37.1	35.1	15.5	100±25	18.5
500	17.3	45.2	33.8	31.8	11.0	100±25	14.0

PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-20°C to +70°C
Screen type	F/FTP
Nominal Sheath Thickness (mm)	0.49 ± 0.04 mm
Nominal Overall Diameter (mm)	7.1 – 7.7 mm
Max. Pull Tension (N)	112
Min. Bend Radius (install) (mm)	8 × OD (≈ 62 mm)

ELECTRICAL CHARACTERISTICS

Conductor Resistance (Ohm) @ 20°C	≤ 9.37 Ohm/100m
Mutual Capacitance (pF/m)	≤ 5.7 pF/m
Impedance (Ohm)	100 ± 15
Velocity of Propagation (%)	70 – 73 %
Maximum Delay Skew (N)s/100m)	≤ 46 ns/100m
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