



Ref No: BCS11885ENH

DESCRIPTION :

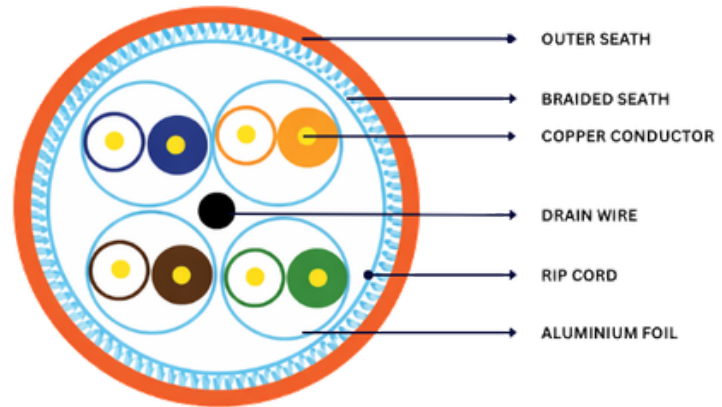
Category 7 Cable, CAT7, 4P, 23AWG, S/FTP, TIA/EIA 568 CABLE LSZH – ORANGE
Premise Horizontal Cable (600MHz), 4-Pair, 23 AWG Solid bare copper conductors, S/FTP (Shielded / Foiled Twisted Pair)

APPLICATION :

Suitable for Local Area Networks (LAN) and analog & digital video applications

CONSTRUCTION :

Cores	4 Pair
Section	23AWG
Conductor Material	Solid Bare Copper
Insulation	Foamed Polyethylene (FPE)
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
Braid	Tinned copper
Drain Wire	Tinned copper
Sheath Material	Halogen Free, Flame Retardant (HFFR/LSZH)
Sheath Color	ORANGE
Standard Put Up Length	305, 500 meters



PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-30°C to +60°C
Screen type	S/FTP,
Nominal Sheath Thickness (mm)	0.62 – 0.72 mm
Nominal Overall Diameter (mm)	7.7 – 8.7 mm
Max. Pull Tension (N)	112
Min. Bend Radius (install) (mm)	8 × OD (≈ 62 – 72 mm)

TRANSMISSION PERFORMANCE

Frequency (MHz)	ZIN (dB/100m)	Return Loss(dB)	NEXT (ns/100m)	ATT (dB)	MAX.PSNEXT (dB)	MIN.ELFEXT (dB)	MIN.PSELFEXT (dB)
1	100 ± 15	20	78	2.0	75	78	75
4	100 ± 15	23	78	3.7	75	78	75
10	100 ± 15	25	78	5.9	75	74	71
16	100 ± 15	25	78	7.4	75	70	67
20	100 ± 15	25	78	8.3	75	68	65
31.25	100 ± 15	23.6	78	10.4	75	64	61
62.5	100 ± 15	21.5	75.5	14.9	72.5	58	55
100	100 ± 15	20.1	72.4	19.0	69.4	54	51
200	100 ± 25	18	67.9	27.5	64.9	48	45
250	100 ± 25	17.3	66.5	31.0	63.5	46	43
300	100 ± 25	17.3	65.2	34.2	62.2	40	37
600	100 ± 25	17.3	60.8	50.1	57.7	38	35

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 (%)	75 – 80 %
Maximum Delay Skew (N)s/100m)	46
Max. Operating Voltage (Volts RMS)	300 V (Vrms)

STANDARD REFERENCES

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

BELFAST ACCREDITED BY

