

Ref No: BCS150106FLS

DESCRIPTION :

Category 6 Cable, 4 Pair, F/UTP, LSZH Steel Wire Armoring

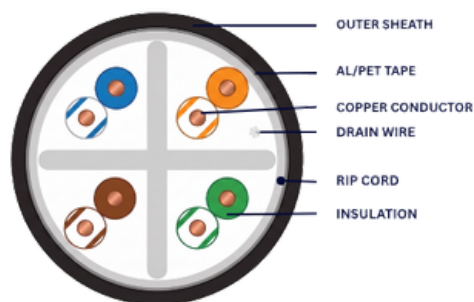
Premise Horizontal Cable (250MHz), 4-Pair, 23 AWG solid bare copper conductors, F/UTP, Polyethylene insulation,

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	Halogen Free, Flame Retardant (HFFR/LSZH)
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 (<dB)	Return Loss(>dB)	NEXT(>dB)	DELAY(<dB)	PS NEXT(>dB)	ELFEXT(>dB)	PSELFEXT(>dB)
1	2.03	20	74.3	570	72.3	67.8	64.8
4	3.78	23	65.3	552	63.3	55.8	52.8
8	5.32	24.5	60.8	546.73	58.8	49.7	46.7
10	5.95	25	59.3	545.38	57.3	47.8	44.8
16	7.55	25	56.2	543	54.2	43.7	40.7
20	8.47	25	54.8	542.05	52.8	41.8	38.8
25	9.51	24.3	53.3	541.2	51.3	39.8	36.8
31.25	10.67	23.6	51.9	540.44	49.9	37.9	34.9
62.5	15.38	21.5	47.7	538.55	45.4	31.9	28.9
100	19.8	20.1	44.3	537.6	42.3	27.8	24.8
200	28.98	18	39.8	536.54	37.8	21.8	18.8
250	32.85	17.3	38.3	536.27	36.3	19.8	16.8

ELECTRICAL CHARACTERISTICS

Conductor Resistance (Ohm/100m)	93.8 Ohm/100m
Mutual Capacitance (pF/m)	330 pF/m
Impedance (Ohm)	100 ± 15
Velocity of Propagation (%)	68
Maximum Delay Skew (N)s/100m)	46
Max. Operating Voltage (Volts RMS)	300 V (Vrms)

PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-20°C to +75°C
Screen type	F/UTP
Aarmor Type & Material	Steel Wire Armor
Nominal Cable Weight (kg/km)	85

BELFAST ACCREDITED BY :

