



Ref No: BCS17965E

DESCRIPTION :

Category 6 Cable, 4 Pair, U/UTP, PVC Indoor

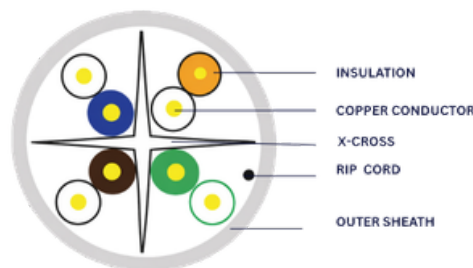
Premise Horizontal Cable (250MHz), 4-Pair, 23 AWG solid bare copper conductors, U/UTP, Polyethylene insulation,

APPLICATION :

Twisted pair indoor PVC 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	Polyvinyl Chloride (PVC)
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)	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

PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-20°C to +75°C
Screen type	UTP
Nominal Cable Weight (kg/km)	42
Nominal Sheath Thickness (mm)	0.6
Nominal Overall Diameter (mm)	6.3
Min. Bend Radius (install) (mm)	63
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 :

