

This cable is compliant to ISO 11801, TIA/EIA 568A and EN 50173



Cable Construction

Conductor	24 AWG solid bare copper (0.511mm)
Insulation	Polyolefin
Foiled Pairs	4 Twisted pairs
Pair Colour Code	Blue / White-Blue, Orange / White-Orange Green / White-Green, Brown / White-Brown
Sheath	PVC
Fire Safety Rating	IEC 332-1
Outside Diameter Nominal	5.6 mm
Weight (Kg/Km)	40
Temperature Range	: 0° C to + 50° C (Installation) : -20° C to + 70° C (Operational)
Standard Packaging	500m Plastic Reels (20kg/drum) (400mm x 200mm x 160mm)

Electrical Characteristics Standard for Category 5e

Frequency M/Hz	Attenuation dB/100m	Next dB	PSNext dB	PSELEFXT dB
1	2.1	65.3	62.3	60.8
4	4.3	56.3	53.3	48.7
10	6.6	50.3	47.3	40.8
16	8.2	47.3	44.3	36.7
20	9.2	45.8	42.8	34.7
31.25	11.8	42.9	39.9	30.9
62.5	17.1	38.4	35.4	24.8
100	22.0	35.3	32.3	20.8

Electrical Characteristics @ 20° C

DC Resistance	93.8 Ohms/Km Maximum
Resistance Unbalance	2% Maximum
Skew	450 nsec/Km Maximum
Capacitance Unbalance	1000 pF/Km Maximum
Mutual Capacitance @ 1 kHz	56 nF/Km Maximum
Velocity of Propagation	0.68c
Characteristic Impedance 1MHz - 100MHz	100 Ohms $\pm$ 15% @ 1.0 MHz - 100 MHz

Note • Low Smoke Zero Halogen cable is also available on request