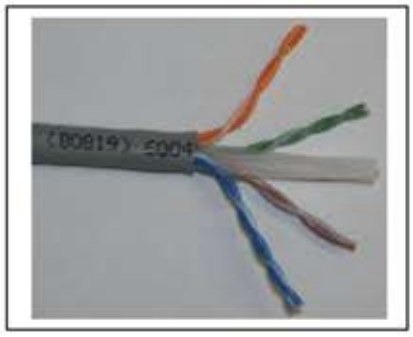
Compliant to ISO 11801, TIA/EIA-568-C.2 and EN50173
EC Verified

Material, Construction & Packaging

Conductor	23 AWG solid bare copper	(0.57mm)
Insulation	Polyethylene	
Pairs Colours	1. Blue/White-Blue	(1.00mm)
	2. Green/White-Green	(1.00mm)
	3. Orange/White-Orange	(0.96mm)
	4. Brown/White-Brown	(0.96mm)
Sheath	PVC Nominal OD 6.1 mm	
Cross Divider	Polyethylene	
Weight & Packaging	22 Kg/500m reel	
Fire Safety Rating	IEC 60332-1	
Temperature Range	Installation 0° to 50°	
	Operational -20° to +70°.	



Transmission Characteristics

Frequency M/Hz	Attenuation dB/100m	Next dB	PSNext dB	ACR	PSACR	ELFEXT	PSELEFXT dB	Return Loss
1	2	74.3	72.3	72.3	70.3	67.8	64.8	20.0
4	3.8	65.3	63.3	61.5	59.5	55.7	52.7	23.0
8	5.4	60.8	58.8	55.4	53.4	49.7	46.7	25.0
10	6	59.3	57.3	53.3	51.3	47.8	44.8	25.0
16	7.6	56.2	54.2	48.6	46.6	43.7	40.7	25.0
20	8.5	54.8	52.8	46.3	44.3	41.7	38.0	25.0
25	9.6	53.3	51.3	43.8	41.8	39.8	36.8	25.0
31.25	10.7	51.9	49.9	41.1	39.1	37.9	34.9	23.6
62.5	15.5	47.4	45.4	31.9	29.9	31.8	28.8	21.5
100	19.9	44.3	42.3	24.4	22.4	27.8	24.8	20.1
125	22.5	42.8	40.8	20.4	18.4	25.8	22.8	19.4
200	29.2	39.8	37.8	10.6	8.6	21.7	18.7	18.0
250	33	38.3	36.3	5.3	3.3	19.8	16.8	17.3

Electrical Characteristics at 20°C

DC Resistance	80 Ohms/Km Maximum
Resistance Unbalance	2% Maximum
Mutual Capacitance	42 nF/Km Max
Capacitance Unbalance	1000 pF/Km Max
Skew	400 ns/Km Max
Velocity of Propagation	68% (0.68 x $3x10^8$ m/s)
Characteristic Impedance 1 – 100MHz	100 ± 15 Ohms
Characteristic Impedance 100– 250MHz	100 ± (15 + 0.05 (f-100) Ohms

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