

CATEGORY 6 LAN CABLE

Specification

Product Standard: ANSI/EIA568

Temperature:

Installation: 0°C to 60°C

Operation: -20°C to 70°C

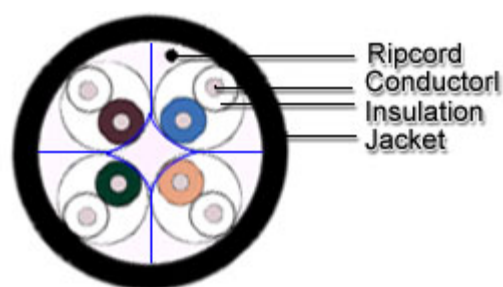
Fire Safety Rating: CMX, CM, MP, CMG, MPG, CMR, MPR

Standard Packaging:

1000ft easy pull box (350mm × 210mm × 350mm)

500m plastic reel (400mm × 200mm × 160mm)

Cross Section of Cable



Pair Identification

Pair1	Blue-white/Coextruded Blue Stripe on White Single
Pair2	Orange-white/Coextruded Orange Stripe on White Single
Pair3	Green-white/Coextruded Green Stripe on White Single
Pair4	Brown-white/Coextruded Brown Stripe on White Single

Dimension(mm)

Type	Conductor	Insulation	Shielding	Jacket
UTP	0.57	1.02	—	6.0
FTP	0.57	1.02	Al foil	6.8

Electrical Characteristics

Frequency MHz	Attenuation dB/100m	NEXT dB	PSNEXT dB	ELFEXT dB	PSELFEXT dB	RL dB
0.772	1.8	76.0	74.0	70.0	67.0	19.4
1.0	2.0	74.3	72.3	67.8	64.8	20.0
4.0	3.8	65.3	63.3	55.8	52.8	23.0
8.0	5.3	60.8	58.8	49.7	46.7	24.5
10.0	6.0	59.3	57.3	47.8	44.8	25.0
16.0	7.6	56.2	54.2	43.7	40.7	25.0
20.0	8.5	54.8	52.8	41.8	38.8	25.0
25.0	9.5	53.3	51.3	39.8	36.8	24.3
31.25	10.7	51.9	49.9	37.9	34.9	23.6
62.5	15.4	47.4	45.4	31.9	28.9	21.5
100.0	19.8	44.3	42.3	27.8	24.8	20.1

DC Resistance	80Ω/km max@20°C
	AWG 26:150Ω/km max@20°C
DC Resistance Unbalance	3% max
Characteristic Impedance	100±15Ω@1-100MHz
	100±[15+0.05(f-100)]Ω@1-100MHz
Capacitance	4pF/m, 1KHz
Capacitance Unbalance	1600pF/m max@1KHz

Transmission Delay	$534 + 36(f)^{1/2}$ max, 1-300MHz
Transmission Delay Distortion	45ns/100m, 1-300MHz, max
Insulation Resistance	105MΩ.km, min 500VDC
Dielectric Strength	700V/1min, rms
Rated Voltage	60V max