

CATEGORY 5E LAN CABLE

Specification

Product Standard:ANSI/TIA/EIA568

Temperature:

Installation: 0 C to 60 C

Operation: -20 C to 70 C

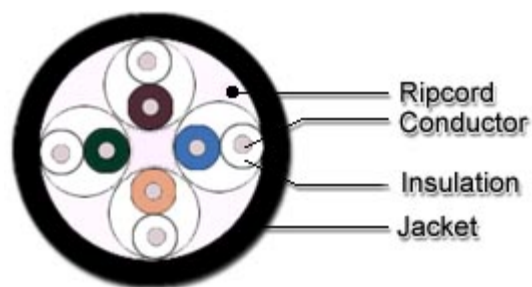
Fire Safety Rating: CMX,CM,MP,CMG,MPG,CMR,MPR

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)

Tye	Conductor	Insulation	Shielding	Jacket
UTP	0.51(24AWG)	0.91	—	5.1
FTP	0.53	1.00	Al foil	6.3

Electrical Characteristics

Frequency MHz	Attenuation dB / 100m	NEXT dB	PSNEXT dB	ELFEXT dB	PSELFEXT dB	RL dB
0.772	1.8	67.0	64.0	66.0	63.0	19.4
1.0	2.0	65.3	62.3	63.8	60.8	20.0
4.0	4.1	56.3	53.3	51.7	48.7	23.0
8.0	5.8	51.8	48.8	45.7	42.7	24.5
10.0	6.5	50.3	47.3	43.8	40.8	25.0
16.0	8.2	47.3	44.3	39.7	36.7	25.0
20.0	9.3	45.8	42.8	37.7	34.7	25.0
25.0	10.4	44.3	41.3	35.8	32.8	24.3
31.25	11.7	42.9	39.9	33.9	30.9	23.6
62.5	17.0	38.4	35.4	27.8	24.8	21.5
100.0	22.0	35.3	32.3	23.8	20.8	20.1

DC Resistance	24AWG:94Ω/km max@20 C
DC Resistance Unbalance	2% max
Characteristic Impedance	100±15Ω@1-100MHz
Characteristic Unbalance	1.000pF/km max@1KHz
Velocity of Propagation	68%
Insulation Resistance	5×10 ³ MΩ.km, min 500VDC
Dielectric Strength	1000VAC 1min
Rated Voltage	220VAC max