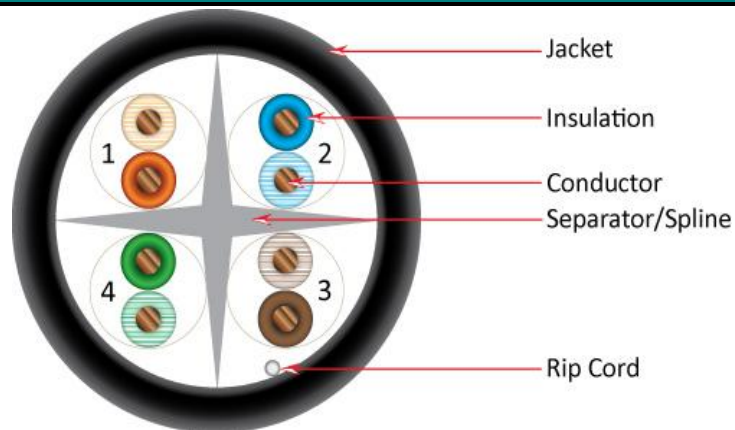


CODE:

DATE:2021.09.08

Cross Section



Performance

Electrical Characteristics:

Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
1	20.0	2.0	65.3
4	23.0	4.1	56.3
8	24.5	5.8	51.8
16	26.0	8.2	47.3
20	26.5	9.3	45.8
63	25.0	17.0	38.4
100	25.0	22.0	35.3
200	18.0	32.4	30.8
250	17.3	36.9	29.3

Description

Category-6, CMX, Outdoor Rated Cable, UV Rated, 24AWG, Solid-Bare-Copper, Black,305M Pull Box

Features

- High-Performance Data Communications Cable
- Category-6 Unshielded Twisted Pair
- 24AWG Solid Copper Conductors
- Easily Identified Color-Striped Pairs
- Exceeds TIA/EIA-568C.2, ISO/IEC 11801
- Outdoor UV Rated Jacket
- cETLus Listed, RoHS Compliant
- 305M Pull Box

Technical Data

Rated Temperature (oC)	-20~75
Application	Horizontal Wiring in LAN
Reference Standard:	TIA/EIA-568B.2, ISO/IEC 11801

Construction

Conductor	Solid Bare Copper
AWG	24
Conductor Dia. (±0.005mm)	0.50
Insulation	HDPE
Average Thickness(mm)	0.205
Min. Point Thickness(mm)	0.1886
Insulation Dia.(±0.01mm)	0.91
Twisted Pair Dia.(±0.02mm)	1.82
Separator	PE
Jacket	LLDPE
Average Thickness(mm)	0.55~0.60
Outer Dia.(±0.2mm)	5.60
Rip Cord	Yes

Color of Pairs

Pair 1	Blue,White-Blue
Pair 2	Orange,White-Orang
Pair 3	Green,White-Green
Pair 4	Brown,White-Brown

Jacket colors

Black

Marking on Jacket

Per request

FEATURES: cable is encased in outdoor conduit, especially designed to withstand outdoor conditions, such as erosion and UV light. It also comes Gel to protect against water. This cable can be buried directly underground.

Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min(dB/100m)	PSELFEXT Min(dB/100m)	Delay Max(ns/100m)
1	62.3	63.8	60.8	570.0
4	53.3	51.7	48.7	552.0
8	48.8	45.7	42.7	546.7
16	44.3	39.7	36.7	543.0
20	42.8	37.7	34.7	542.0
63	35.4	27.8	24.8	538.6
100	32.3	23.8	20.8	537.6
200	27.8	17.7	14.7	536.5
250	26.3	15.8	12.8	536.3

Electrical Characteristics:

1.0-100.0MHz Impedance (ohms)	100 ± 15
100.0-250.0MHz Impedance (ohms)	100 ± 25
1.0-250.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	<=5

Mechanical Characteristics:

Test Object	Jacket
Test Material	LLDPE
Before Tensile Strength (Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend(-20±2°Cx4hrs)	No crack

Packaging

305M Pull Box