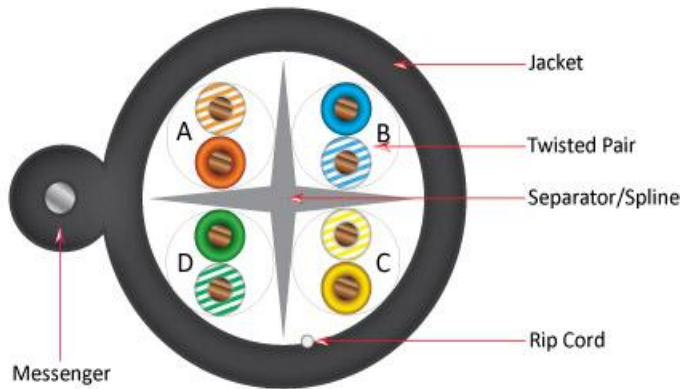


**CODE:** \_\_\_\_\_ **DATE:** 2021.09.08

### Cross Section



### Performance

Electrical Characteristics:			
Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
1	20	2	65
4	23	4	56
8	25	6	52
16	26	8	47
20	27	9	46
63	25	17	38
100	25	22	35
200	18	32	31
250	17	37	29

### Description

Category-6, CMX, Outdoor Rated Cable, UV Rated, 24AWG, Solid-Bare Copper, With Messenger, Black, 305M, Drum

### 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
- Galvanized Steel Messenger for Support
- Outdoor UV Rated Jacket
- cETLus Listed, RoHS Compliant
- 305M / Drum

### 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)	0.5
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
Messenger	Galvanized Steel
Diameter (mm)	1.0
Jacket	LLDPE
Average Thickness(mm)	0.60~0.65
Outer Dia.(±0.2mm)	6.1+2.6
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
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Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min(dB/100m)	PSELFEXT Min(dB/100m)	Delay Max(ns/100m)
1	62	64	61	570
4	53	52	49	552
8	49	46	43	547
16	44	40	37	543
20	43	38	35	542
63	35	28	25	539
100	32	24	21	538
200	28	18	15	537
250	26	16	13	536

### 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)	72
Resistance Unbalance (%)	<=5

### Mechanical Characteristics:

Test Object	Jacket
Test Material	LSZH
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 / Drum
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### 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.