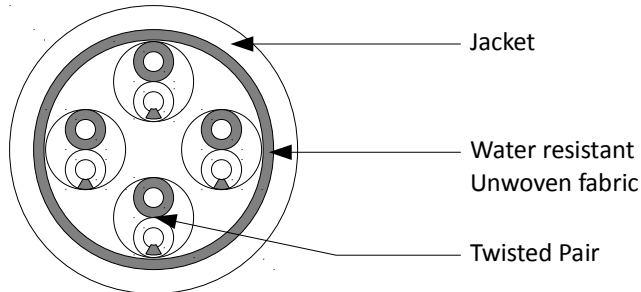


Construction Detail



Description

Enhanced 350MHz high-performance cable for bandwidth intensive applications

Applications	Voice, data, video distribution, security
Ethernet	10BASE-T, 100BASE-TX, 1000BASE-T
Rated Temperature (°C)	75
Product Standard Certification	CMX-Outdoor & C(UL)CMG
Flame Test	FT4
Reference Standard	UL 444

Performance Characteristics

Electrical (20°C)

Min. Insulation Resistance (Ω-km)	100M
Max. Conductor DC Resistance (Ω/km)	94
Dielectric Strength (AC V/1 Min)	500
DC Resistance Unbalance	Max. 5%
Pair-to-Ground Capacitance Unbalance	Max. 330pF/100M
Propagation Delay Skew [1-250MHz]	Max. 45ns/100M
Characteristic Impedance (±15Ω)	100

Mechanical

Jacket	PVC
Before Tensile Strength (kgf/mm ²)	≥1.05

Twisted Pair & Insulation Colours

P1	Blue	&	White/Blue
P2	Orange	&	White/Orange
P3	Green	&	White/Green
P4	Brown	&	White/Brown

Jacket: Non-brightness Black

Physical Construction

Conductor	4 pairs solid copper
Size (AWG)	24
Construction (±0.01mm)	1/0.51
Solid Dia. (±0.01mm)	0.51
Insulation	HD PE
Average Thickness (mm)	0.20
Insulation dia. (±0.05mm)	0.91
Jacket	PVC
Average Thickness (±0.05mm)	0.76
Outer Dia. (±0.2mm)	5.8

Miscellaneous

Shield Water resistant, unwoven fabric

Environmental Characteristics

Installation Temperature	-10°C ~+ 75°C
Operation Temperature	-10°C ~+ 75°C
Storage Temperature	-20°C ~+ 75°C

Jacket Marking

Legend: [WXYZ]FT => Length in Spool (e.g., 0100ft)

E132276-A (UL) CMX-Outdoor C(UL) TYPE CMG 75C FT4
ETL VERIFIED TO ANSI/TIA-568-B.2 CAT5E UTP [WXYZ]FT