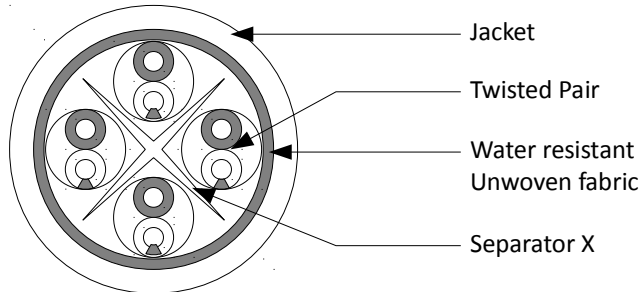


### Construction Detail



### Description

High-performance 550MHz cable for high bandwidth 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)

Max. Conductor DC Resistance (Ω/km)	94
Min. Insulation Resistance (Ω-km)	100M
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 <sup>2</sup> )	≥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

<b>Conductor</b>	4 pairs solid copper
Size (AWG)	23
Construction (±0.01mm)	1/0.575
Solid Dia. (±0.01mm)	0.575
<b>Insulation</b>	HD PE
Average Thickness (mm)	0.22
Insulation dia. (±0.05mm)	1.03
<b>Jacket</b>	PVC
Average Thickness (±0.05mm)	0.76
Outer Dia. (±0.2mm)	6.8

#### Miscellaneous

Separator X (mm)	PE 0.35x3.8
Shield	Water resistant, unwoven fabric

#### Environmental Characteristics

Installation Temperature	0°C ~+ 75°C
Operation Temperature	0°C ~+ 75°C
Storage Temperature	-10°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.2-1 CAT6 UTP [WXYZ]FT