



**Description:**

CAT5E CMXT, Direct Burial, Shielded with Drain Wire, 8 Cond., Waterproof Jacket, 24AWG Solid-Bare Copper.

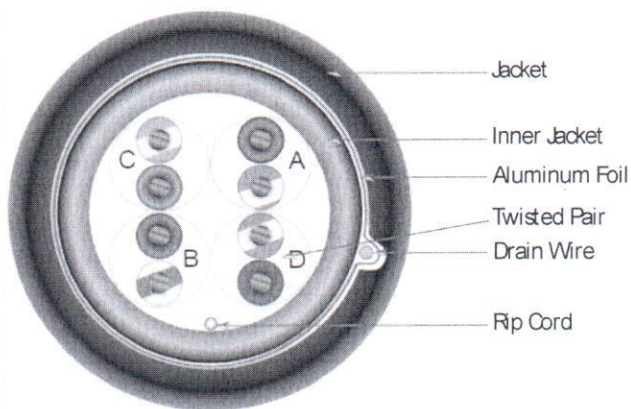
**Technical Data:**

<b>Technical Data</b>	
Rated Temperature	75°C
Rated Voltage	300V
Product Standard Certification	CMX
Flammability Test	IEC-332-1
<b>Conductor</b>	
Size	Solid Bare Copper
<b>Insulation</b>	
Average Thickness (mm)	0.208
Insulation Diameter (±0.005mm)	0.91
Twisted Pair Diameter (±0.01)	1.92
<b>Assembly Diameter (mm)</b>	
3.80	
<b>Inner Jacket (Gray)</b>	
Average Thickness (mm)	PVC
Min. Point Thickness (mm)	0.40
Outer Diameter (±0.10mm)	0.36
Aluminum Foil	4.80
Drain Wire (Tinned Copper)	Yes
	7/0.16
<b>Outer Jacket (Black)</b>	
Average Thickness (mm)	LSZH (UV)
Min. Point Thickness (mm)	0.60
Outer Diameter (±0.10mm)	0.54
Rip Cord	6.40
	Yes
<b>Color of Pairs</b>	
Pair 1: Blue, White-Blue	Pair 2: Orange, White-Orange
Pair 3: Green, White-Green	Pair 4: Brown, White-Brown
<b>Mechanical Characteristics</b>	
Test Object	Jacket
Test Material	LSZH (UV)
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
Bend Radius	> 20mm

Marking on Jacket  
 VERTICAL 4001453 cETLus VERIFIED CMX STP 4PR 24AWG OUTDOOR  
 DIRECT BURIAL (DRY) UV LSZH CAT5E 350MHz TIA/EIA - 568B.2  
 RoHS XXXFT (SEQUENTIAL FOOT MARKERS ON JACKET)

**Performance:**

<b>Electrical Characteristics:</b>	
1.0-350MHz Impedance (Ohms)	100±15
1.0-350.Mhz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (Ohms/km)	88.5
Resistance Unbalance (%)	<=5



Available in Black

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next Min (dB)	Frequency (Mhz)	PSNext Min (dB)	ELFEXT Min (db/100m)	PSELFEXT Min (db/100m)
1	20.0	2.0	68.3	1	62.3	63.8	60.8
4	23.0	4.1	59.3	4	53.3	51.7	48.7
8	24.5	5.8	54.8	8	48.8	45.7	42.7
10	25.0	6.5	53.3	10	47.3	43.8	40.8
16	25.0	8.2	50.3	16	44.3	39.7	36.7
20	25.0	9.3	48.8	20	42.8	37.7	34.7
25	24.3	10.4	47.3	25	41.3	35.8	32.8
31.25	23.6	11.7	45.9	31.25	39.9	33.9	30.9
62.5	21.5	17.0	41.4	62.5	35.4	27.8	24.8
100	20.1	22.0	38.3	100	32.3	23.8	20.8
200	18.0	32.4	33.8	200	27.8	17.7	14.7
300	16.8	41.0	31.2	300	25.2	14.2	11.2
350	16.3	44.9	30.1	350	24.2	12.9	9.9