

CAT5E Direct Burial  
w/Water-Proof Tape (Dry)  
24AWG, STP, 4 Pair, Solid  
1000' Pull Box



PrimusCable.com  
951 - 691 - 5025

**Description:**

Category-5E CMXT Direct Burial, STP w/Drain Wire, Water-Proof Tape (Dry), 1000' 8-Conductor, Bulk, Black-Outdoor Jacket, AWG24 Solid-Bare Copper, Pull Box (UL/ETL)

**Brand:**

Primus Cable

**Features:**

- High-performance data communications cable
- Suitable for 350MHz high speed data applications, Gigabit ethernet, fast ethernet and 155Mbps TP-PMD/CDDI
- Designed for burial installations
- Category-5E shielded twisted pair (STP) cable
- 4-Pair – easily identified color-striped pairs
- 24AWG solid bare copper conductors
- PVC jacket (CMX), AL foil & water-proof tape, for outdoor use with drain wire
- Excellent attenuation and crosstalk characteristics
- Exceeds EIA/TIA 568 B.2-1, UL, CSA and ISO/IEC 11801 specifications
- UL/cUL or ETL Listed
- Supplied in 1000' pull boxes

**Printing on Jacket:**

PRIMUS CABLE E317493 (UL) C(UL) CMX FT4 STP 4PR 24 AWG VERIFIED DIRECT BURIAL (DRY) CAT5E 350MHz TIA/EIA - 568B.2 STANDARD CMR (VID:###) XXXX FT

Sequential foot markers on jacket

**Important Notes:**

The information contained in this document is proprietary to Primus Cable and may not be disclosed or transmitted to any other parties without the express written permission of Primus Cable. This information is provided for the purposes of quotation only.

**Packaging Example:**



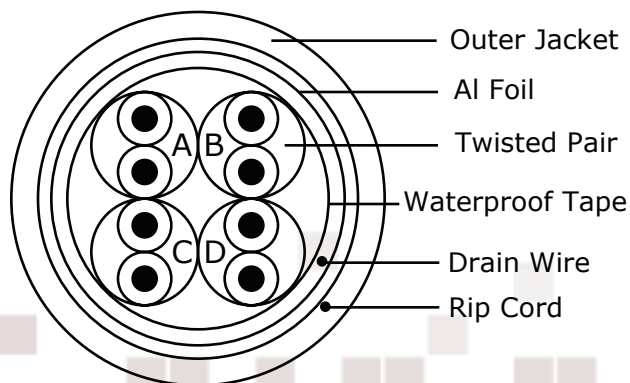
Disclaimer: Packaging design subject to change without notice.

**Available Colors:**

black



**Technical Diagram:**



**Electrical Characteristics:**

Rated Temperature:	75°C
Product Standard Certification:	CMX
1.0-100MHZ Impedance:	100Ω±15
100-200MHZ Impedance:	100Ω±25
200-350MHZ Impedance:	100Ω±35
1.0-250MHz Delay Skew	<=45 (ns/100m)
Max. Capacitance Unbalance	<=330 (pF/100m)
Max. DC Resistance 20°C	93.8(Ω/km)
Resistance Unbalance	<=5 (%)

Frequency (MHz)	Attenuation Max.	Return Loss Min.	Next (ns/100m)
1	2.0	20.0	65.3
4	4.1	23.0	56.3
10	6.5	25.0	50.3
20	9.3	25.0	45.8
25	10.4	24.3	44.3
31.25	11.7	23.6	42.9
62.5	17.0	21.5	38.4
100	22.0	20.1	35.3
200	32.4	18.0	30.8
300	41.0	16.8	28.2
350	44.9	16.3	27.2

Frequency (MHz)	PSNEXT Min.	ELFEXT Min.	PSELFEXT Min.	ACR Typ
1	62.3	63.8	60.8	67.3
4	53.3	51.8	48.7	56.2
10	47.3	43.8	40.8	47.8
20	42.8	37.7	34.7	41.5
25	41.3	35.8	32.8	38.9
31.25	39.9	33.9	30.9	36.2
62.5	35.4	27.8	24.8	27.4
100	32.3	23.8	20.8	19.3
200	27.8	17.7	14.7	3.5
300	25.2	14.2	11.2	-----
350	24.2	12.9	9.9	-----

**Technical Specs:**

Conductor Size	Solid Bare Copper 24 AWG
Insulation	PE
Average Thickness	0.20mm
Insulation Diameter	0.91mm ± 0.005mm
Twisted Pair Dia.	1.82mm ± 0.01mm
Assembly Diameter	3.80mm
Inner Jacket	PVC
Color	Grey
Average Thickness	0.60mm
Outer Diameter	4.80mm ± 0.10mm
Drain Wire	7/0.16 Tinned Copper
Outer Jacket	LSZH (UV)
Color	Black
Average Thickness	0.60mm
Outer Diameter	6.20mm ± 0.1mm
Rip Cord	Yes

**Color of Pairs**

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

**Mechanical Characteristics:**

Test Object	Jacket
Test Material	LSZH (UV)
Before Aging	Tensile Strength >=13.8
After Aging	Elongation >=100%
Aging Condition (°Cxhrs)	100x168
After Aging	Tensile Strength >=85%
After Aging	Elongation (%) >=50%
Cold Bend (-20±2° Cx4hrs)	No Crack