

CAT5E Direct Burial
(Flooded Core)
24AWG, UTP, 4 Pair, Solid
1000' Pull Box



PrimusCable.com
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Description:

Category-5E CMXF Direct Burial, Flooded Core, 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 direct burial installations
- PVC Jacket (CMX) for outdoor use with flooded core
- Category-5E unshielded twisted pair (UTP) cable
- 4-Pair – easily identified color-striped pairs
- 24AWG solid bare copper conductors
- 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 UTP 4PR 24
AWG VERIFIED DIRECT BURIAL (FLOODED) CAT5E 350MHz
TIA/EIA - 568B.2 STANDARD CMR (VID:###) XXXX FT

Sequential foot markers on jacket

Important Notes:

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Packaging Example:



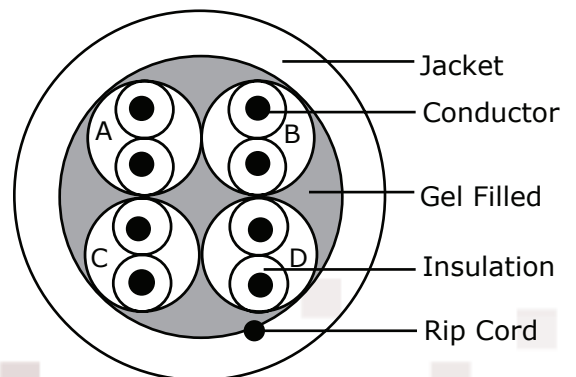
Disclaimer: Packaging design subject to change without notice.

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)
Capacitance Unbalance	<=330 (pF/100m)
Max. DC Resistance 20°C	93.8 (Ω/km)
Resistance Unbalance	<=5 (%)

Technical Specs:

Conductor Size	Solid Bare Copper 24 AWG
Insulation	PE
Average Thickness	0.205mm
Insulation Diameter	0.91mm
Twisted Pair Dia.	1.82mm ± 0.1mm
Assembly Diameter	4.00mm
Gel Filled	yes
PE Tape	Coverage > 125%

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

Jacket	LSZH (UV)
Jacket Color	Black
Average Thickness	0.6mm
Outer Diameter	5.2mm ± 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

Frequency (MHz)	PSNEXT Min.	ELFEXT Min.	PSELFEXT Min.	ACR Typ
1	62.3	63.8	60.8	67.3
4	53.3	51.7	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	-----

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