


CAT5E DIRECT BURIAL (GEL FILLED) UV RATED 24AWG, UTP, 4 PAIR, SOLID 1000' PULL BOX



Intertek

PG. 1	<input type="checkbox"/> APPROVALS:	<input type="checkbox"/> DATE:	
	MARKETING		
	TECHNICAL		
	SALES		
	FINAL		

GENERAL INFORMATION ABOUT THIS PRODUCT:

MANUFACTURER:

REFERENCE:

DESCRIPTION:

Category-5E CMXF Direct Burial, Flooded Core, 1000' 8-Conductor, Bulk, Black-Outdoor Jacket, AWG24 Solid-Bare Copper.

ACCESSORIES INCLUDED WITH THIS PRODUCT:

NONE

FEATURES AND BENEFITS:

- 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
- UV Rated Jacket (CMX) for Outdoor Use with Flooded Core (Gel Filled)
- 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, CAN/CSA -C22.2 No. 214
- ETL Listed
- Supplied in 1000' Pull Box



PULL BOX



CABLE

PG. 2	<input type="checkbox"/> P/N:	<input type="checkbox"/> PRODUCT: CAT5E DIRECT BURIAL FLOODED CORE
	<input type="checkbox"/> AUTHOR:	
	<input type="checkbox"/> DATE: 01/11	

TECHNICAL INFORMATION ABOUT THIS PRODUCT:

MANUFACTURER:

REFERENCE:

DESCRIPTION:

Category-5E CMXF Direct Burial, Flooded Core, 1000' 8-Conductor, Bulk, Black-Outdoor Jacket, AWG24 Solid-Bare Copper.

TECHNICAL SPECS:


Rated Temperature (°C)	75
Product Standard Certification	CMX
Application	Horizontal Wiring in LAN
Reference Standard	UL Subject 444, EIA/TIA 568 & ISO/IEC 11801
Conductor	Solid Bare Copper
Size	24 AWG
Diameter (mm)	0.50
Insulation	PE
Average Thickness (mm)	0.208
Min. Point Thickness (mm)	0.186
Insulation Diameter (±0.005mm)	0.91
Twisted Pair Diameter (±0.01)	1.92
Filler	Gel
PE Tape	Yes
Assembly Dia. (±0.2mm)	4.00
Jacket	LLDPE (UV)
Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.54
Outer Diameter (±0.10mm)	5.40
Rip Cord	Yes
Color	Black
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	LLDPE
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

Marking

VERTICAL 4001453 cETLus VERIFIED UTP 4PR 24AWG OUTDOOR DIRECT BURIAL (FLOODED)
UV LLDPE CAT5E 350MHz TIA/EIA - 568B.2 RoHS V1379P8299 XXXFT

PG. 3	<input type="checkbox"/> P/N:	<input type="checkbox"/> PRODUCT: CAT5E DIRECT BURIAL FLOODED CORE
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Electrical Characteristics:

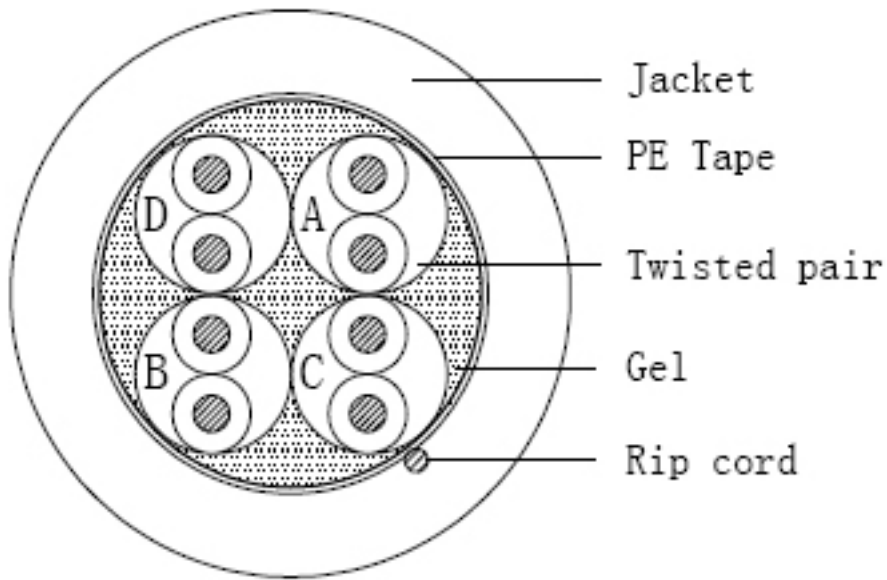
1.0-350MHz Impedance (Ohms)	100±15
1.0-350.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	<=5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (Min dB)
1	20.0	2.0	68.3
4	23.0	4.1	59.3
8	24.5	5.8	54.8
10	25.0	6.5	53.3
16	25.0	8.2	50.3
20	25.0	9.3	48.8
25	24.3	10.4	47.3
31.25	23.6	11.7	45.9
62.5	21.5	17.0	41.4
100	20.1	22.0	38.3
155	18.8	28.1	35.5
200	18.0	32.4	33.8
240	17.4	36.0	32.6
300	16.8	41.0	31.2
350	16.3	44.9	30.1

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(dB/100m)	PSELFEXT Min(dB/100m)
1	66.3	63.8	60.8
4	57.3	51.7	48.7
8	52.8	45.7	42.7
10	51.3	43.8	40.8
16	48.3	39.7	36.7
20	46.8	37.8	34.8
25	45.3	35.8	32.8
31.25	43.9	33.9	30.9
62.5	39.4	27.8	24.8
100	36.3	24.0	21.0
155	33.5	20.0	17.0
200	31.8	17.7	14.7
240	30.6	16.2	13.2
300	29.2	14.2	11.2
350	28.1	12.9	9.9

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TECHNICAL DIAGRAM:



LABEL FOR PRODUCTION DATE CONTROL:

THIS UPC LABEL IS PLACED ON EACH 1 UNIT SHIPMENT CARTON.

LABEL: UPC CODE



IMPORTANT NOTE: --

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