



CAT5E DIRECT BURIAL W/ WATER PROOF TAPE (DRY) 24AWG, STP, 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 CMXT Direct Burial, STP w/Drain Wire, Waterproof Tape (Dry), 1000' 8-Conductor, Bulk, Black-Outdoor Jacket, AWG24 Solid-Bare Copper.

ACCESSORIES INCLUDED WITH THIS PRODUCT:

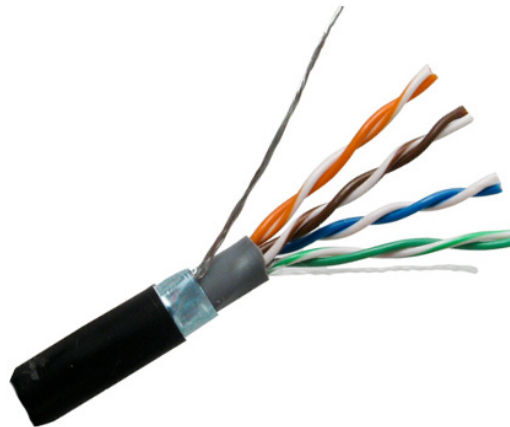
NONE

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 Outdoor Burial Installations
- Category 5E Shielded Twisted Pair (STP) Cable
- 4-Pair – Easily Identified Color-Striped Pairs
- 24AWG Solid Bare Copper Conductors
- UV Rated 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, CAN/CSA -C22.2 No. 214
- ETL Listed
- Supplied in 1000' Pull Boxes



PULL BOX



CABLE

PG. 2	<input type="checkbox"/> P/N:	<input type="checkbox"/> PRODUCT: CAT5E DIRECT BURIAL W/ WATER PROOF TAPE
	<input type="checkbox"/> AUTHOR:	
	<input type="checkbox"/> DATE: 01/11	

TECHNICAL INFORMATION ABOUT THIS PRODUCT:

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REFERENCE:

DESCRIPTION:

Category-5E CMXT Direct Burial, STP w/Drain Wire, Waterproof Tape (Dry), 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)	0.51
Insulation	PE
Average Thickness (mm)	0.200
Min. Point Thickness (mm)	0.185
Insulation Diameter (±0.005mm)	0.91
Twisted Pair Diameter (±0.01)	1.82
Assembly Diameter	3.80
Inner Jacket (Gray)	PVC
Average Thickness (mm)	0.40
Min. Point Thickness (mm)	0.36
Outer Diameter (±0.10mm)	4.80
AL Foil	
Drain Wire (Tinned Cooper)	7/0.16
Outer Jacket (Black)	LSZH(UV)
Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.54
Outer Diameter (±0.10mm)	6.20
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 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

PG. 3	<input type="checkbox"/> P/N:	<input type="checkbox"/> PRODUCT: CAT5E DIRECT BURIAL W/ WATER PROOF TAPE
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	<input type="checkbox"/> DATE: 01/11 <input type="checkbox"/> REV: 01	

Marking

VERTICAL 4001453 cETLus VERIFIED CMX STP 4PR 24AWG OUTDOOR DIRECT BURIAL (DRY)
 UV LSZH CAT5E 350MHz TIA/EIA - 568B.2 RoHS V1379P82 XXXFT

Electrical Characteristics:

1.0-100.0MHz Impedance (Ohms)	100±15
100-200MHz Impedance (Ohms)	100±25
200-350MHz Impedance (Ohms)	100±35
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 (ns/100m)	ACR Typ(dB)
0.772	19.4	1.8	67.0	67.7
1	20.0	2.0	65.3	67.3
4	23.0	4.1	56.3	56.2
8	24.5	5.8	51.8	50.0
10	25.0	6.5	50.3	47.8
16	25.0	8.2	47.3	44.0
20	25.0	9.3	45.8	41.5
25	24.3	10.4	44.3	38.9
31.25	23.6	11.7	42.9	36.2
62.5	21.5	17.0	38.4	27.4
100	20.1	22.0	35.3	19.3
200	18.0	32.4	30.8	3.5
300	16.8	41.0	28.2	_____
350	16.3	44.9	27.2	_____

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(db/100m)	PSELFEXT Min(db/100m)
0.772	64.0	66.0	63.0
1	62.3	63.8	60.8
4	53.3	51.7	48.7
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.3	39.7	36.7
20	42.8	37.7	34.7
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.8	24.8
100	32.3	23.8	20.8
200	27.8	17.7	14.7
300	25.2	14.2	11.2
350	24.2	12.9	9.9

**PG.
4**

P/N:

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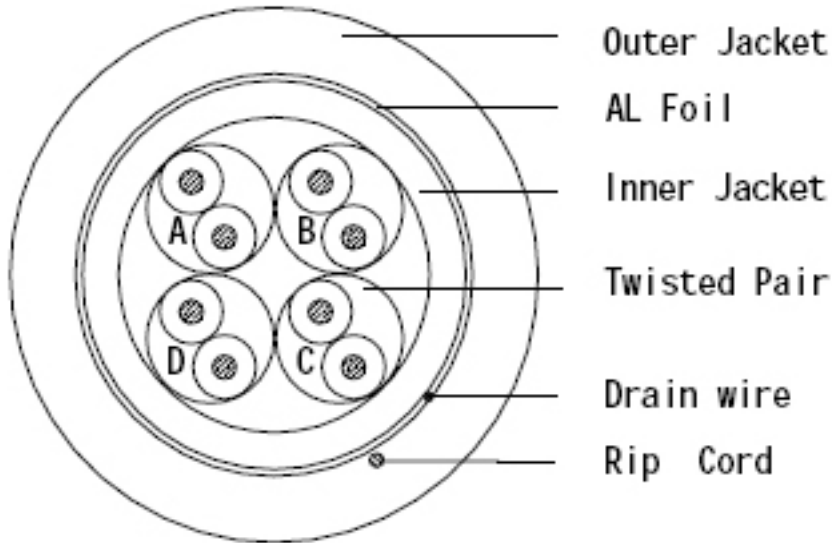
AUTHOR:



DATE: 01/11

REV: 01

TECHNICAL DIAGRAM:



LABEL FOR PRODUCTION DATE CONTROL:

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

LABEL: UPC CODE



IMPORTANT NOTE: --

PG. 5	<input type="checkbox"/> P/N:	<input type="checkbox"/> PRODUCT: CAT5E DIRECT BURIAL W/ WATER PROOF TAPE
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