

CAT5E DIRECT BURIAL UV RATED (GEL FILLED) 24AWG, STP, 4 PAIR, SOLID 1000' WOODEN SPOOL



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, STP w/Drain Wire 1000' 8-Conductor, Black-Outdoor Jacket, AWG24 Solid-Bare Copper, Wooden Spool.

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 Shielded Twisted Pair (STP) 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' Wooden Spool



WOODEN SPOOL



CABLE

PG. 2	<input type="checkbox"/> P/N:	<input type="checkbox"/> PRODUCT: CAT5E DIRECT BURIAL STP (GEL FILLED)
	<input type="checkbox"/> AUTHOR:	
	<input type="checkbox"/> DATE: 01/11	<input type="checkbox"/> REV: 01

TECHNICAL INFORMATION ABOUT THIS PRODUCT:

MANUFACTURER:

REFERENCE:

DESCRIPTION:

Category-5E CMXF Direct Burial, Flooded Core, STP w/Drain Wire 1000' 8-Conductor, Black-Outdoor Jacket, AWG24 Solid-Bare Copper, Wooden Spool.

TECHNICAL SPECS:

Rated Temperature (°C)	70
Product Standard Certification	CMX
Flammability Test	IEC-332-1
Conductor	Solid Bare Copper
Size	24 AWG
Diameter (mm)	0.515
Insulation	PE
Average Thickness (mm)	0.228
Min. Point Thickness (mm)	0.220
Insulation Diameter (±0.005mm)	0.97
Twisted Pair Diameter (±0.01)	1.94
Filler	Gel
PE Tape	Yes
Drain Wire (TC)	0.40
Al-foil	Yes
PE Tape	Yes
Assembly Dia. (mm)	4.80
Jacket (Black)	LLDPE (UV)
Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.54
Outer Diameter (±0.10mm)	6.15
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	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 STP 4PR 24AWG OUTDOOR DIRECT BURIAL (FLOODED)
UV LLDPE CAT5E 350MHz TIA/EIA - 568.2 RoHS V1379P8299 XXXFT

PG. 3	<input type="checkbox"/> P/N:	<input type="checkbox"/> PRODUCT: CAT5E DIRECT BURIAL STP (GEL FILLED)
	<input type="checkbox"/> AUTHOR:	
	<input type="checkbox"/> DATE: 01/11 <input type="checkbox"/> REV: 01	

Electrical Characteristics:

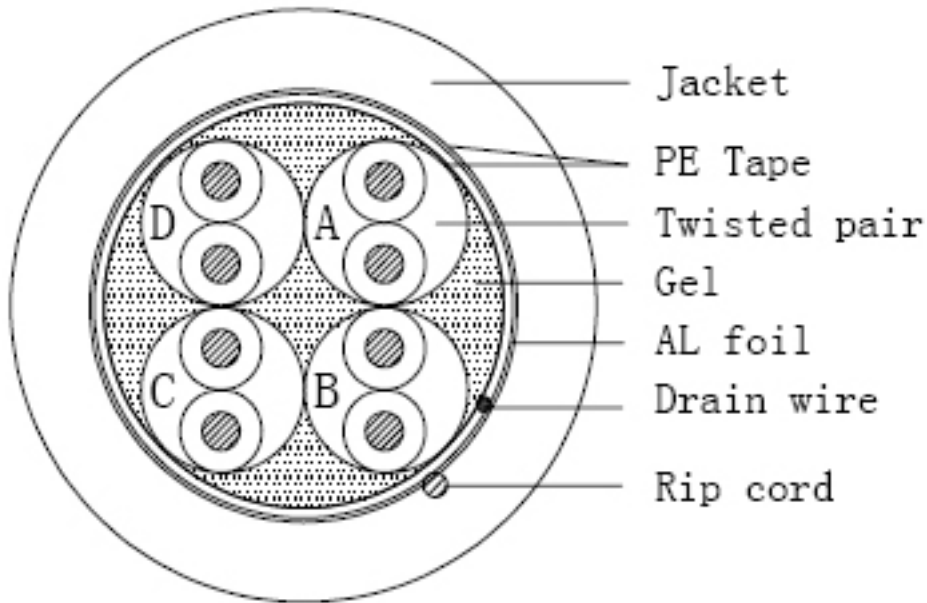
1.0-350MHz Impedance (Ohms)	100±15
1.0-350.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	95
Resistance Unbalance (%)	<=5

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

PG. 4	<input type="checkbox"/> P/N:	<input type="checkbox"/> PRODUCT: CAT5E DIRECT BURIAL STP (GEL FILLED)
	<input type="checkbox"/> AUTHOR:	
	<input type="checkbox"/> DATE: 01/11	<input type="checkbox"/> 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 STP (GEL FILLED)
	<input type="checkbox"/> AUTHOR:	
	<input type="checkbox"/> DATE: 01/11	<input type="checkbox"/> REV: 01