


CAT6 DIRECT BURIAL GEL FILLED (FLOODED CORE) 23AWG, UTP, 4 PAIR, SOLID 1000' WOODEN SPOOL



PG. 1	<input type="checkbox"/> APPROVALS:	<input type="checkbox"/> DATE:	<p>THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY TO VERTICAL CABLE AND MAY NOT BE DISCLOSED OR TRANSMITTED TO ANY OTHER PARTIES WITHOUT THE EXPRESS WRITTEN PERMISSION OF VERTICAL CABLE. THIS INFORMATION IS PROVIDED FOR THE PURPOSES OF QUOTATION ONLY.</p> 
	MARKETING		
	TECHNICAL		
	SALES		
	FINAL		

GENERAL INFORMATION ABOUT THIS PRODUCT:

DESCRIPTION:

Category 6 CMXF Direct Burial, Flooded Core, 1000' 8-Conductor, Bulk, Black-Outdoor Jacket, AWG23 Solid-Bare Copper, Wooden Spool (UL/ETL)

ACCESSORIES INCLUDED WITH THIS PRODUCT:

NONE

FEATURES AND BENEFITS:

- High-Performance Data Communications Cable
- Suitable for 600MHz 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
- Category 6 Unshielded Twisted Pair (UTP) Cable
- 4-Pair – Easily Identified Color-Striped Pairs
- 23AWG 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' Wooden Spool



WOODEN SPOOL

PG. 2			<input type="checkbox"/> PRODUCT: CAT6 DIRECT BURIAL FLOODED CORE
	<input type="checkbox"/> AUTHOR:		
	<input type="checkbox"/> DATE: 04/03/07	<input type="checkbox"/> REV: 01	

TECHNICAL INFORMATION ABOUT THIS PRODUCT:

DESCRIPTION:

Category 6 CMXF Direct Burial, Flooded Core, 1000' 8-Conductor, Bulk, Black-Outdoor Jacket, AWG23 Solid-Bare Copper, Wooden Spool (UL/ETL)

TECHNICAL SPECS:

Rated Temperature (°C)	70°C
Product Standard Certification	UL cUL ETL
Rated Voltage	30V
Application	Horizontal Wiring in LAN
Reference Standard	YD/T 1019-2001 UL Subject 444, EIA/TIA 568 & ISO/IEC 11801 IEC61156-5

Conductor Solid Bare Copper

Size	23 AWG
Diameter (mm)	0.57

Insulation PE

Average Thickness (mm)	0.22
Min. Point Thickness (mm)	0.198
Insulation Diameter (±0.01mm)	1.01
Twisted Pair Diameter (±0.02mm)	2.02

Separator PE

Assembly Diameter 5.20

Gel Filled Yes

PE Tape Coverage>125%

Jacket LLDPE (UV)


Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.50
Outer Diameter (±0.10mm)	6.50
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

PG. 3			<input type="checkbox"/> PRODUCT: CAT6 DIRECT BURIAL FLOODED CORE
	<input type="checkbox"/> AUTHOR:		 WWW.FIREFOLD.COM
	<input type="checkbox"/> DATE: 04/03/07	<input type="checkbox"/> REV: 01	

Marking

VERTICAL CABLE E312655 (UL) C(UL) CMX FT4 UTP 4PR 23AWG VERIFIED DIRECT BURIAL (FLOODED) OUTDOOR UV LLDPE CAT6 600MHz VERIFIED TIA/EIA - 568B.2 (VID:XX) XXFT

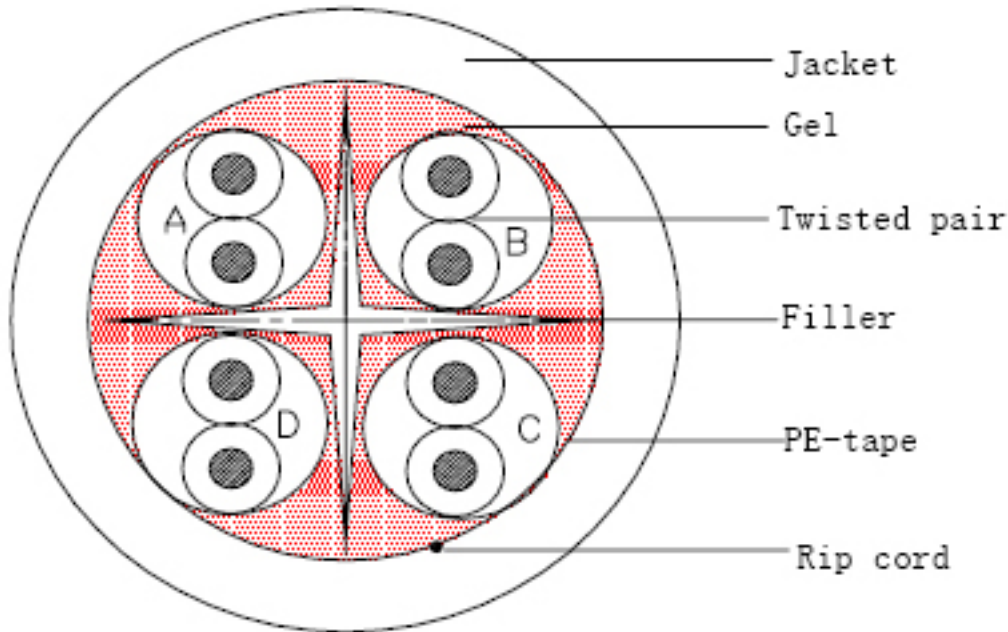
Electrical Characteristics:

1.0-100MHz Impedance (Ohms)	100±15
100-200MHz Impedance (Ohms)	100±25
1.0-550.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	<=73.2
Resistance Unbalance (%)	<=5

Electrical Performance

	Frequency MHz	Attenuation dB	Return Loss dB	Next dB	Impedance 100±15		Frequency MHz	Attenuation dB	Return Loss dB	Next dB	Impedance 100±15
1	1	2.00	20.00	74.30	102.30	2	1	2.00	20.00	74.30	101.90
	100	19.80	20.11	44.30	101.50		100	19.80	20.11	44.30	102.50
	250	32.85	17.32	38.33	102.60		250	32.85	17.32	38.33	102.40
	550	51.76	14.92	33.19	102.80		550	51.76	14.92	33.19	103.10
3	1	2.00	20.00	74.30	102.50	4	1	2.00	20.00	74.30	103.20
	100	19.80	21.11	44.30	101.80		100	19.80	21.11	44.30	102.80
	250	32.85	17.32	38.33	102.40		250	32.85	17.32	38.33	102.60
	550	51.76	14.92	33.29	103.20		550	51.76	14.92	33.29	103.50

TECHNICAL DIAGRAM:



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