PART NUMBER: APX-C5US-UVUFBG

CAT5E JACKET (UV) RATED 24AWG, UTP, 4 PAIR, SOLID 1000' PULL BOX

Description:

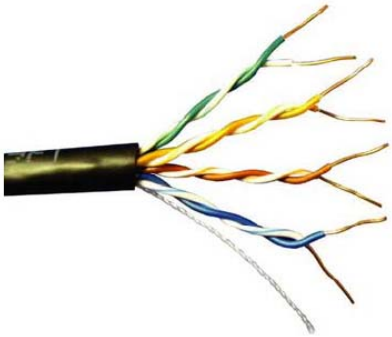
Category 5E UV 1000' 8-Conductor, Beige Jacket (UV), AWG24 Solid-Bare Copper, Pull Box (UL / ETL)

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 155 Mbps TP-PMD / CDDI
- Designed for UV Jacket (CMX) UV
- 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



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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)	0.205
Minimum Point Thickness (mm)	0.190
Insulation Diameter (±0.005mm)	0.91
Twisted Pair Diameter (±0.01)	1.82

Assembly Diameter Jacket = 3.80

Jacket (PVC (UV)):

Average Thickness (mm)	0.60
Minimum Point Thickness (mm)	0.54
Outer Diameter (±0.10mm)	5.10
Rip Cord	Yes
Color	Beige

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		PVC
Before	Tensile Strength (ib f/in²)	>=1500
Aging	Elongation (%)	>=100
Aging Condition (°Cxhrs)		100 x 240
After	Tensile Strength (ib f/in²)	>=70% of unaged
Aging	Elongation (%)	>=65% of unaged
Cold Bend (-20±2° Cx4hrs)		No Crack

Marking:

- e212964 (UL) C (UL) CMX FT4 UTP 4PR 24 AWG Verified UV CAT5E 350 MHz TIA / EIA

- 568B.2 Standard XXXFT

-Sequential Foot Markers on Jacket

Electrical Characteristics:

1.0 – 100 MHz Impedance (Ohms)	100±15
100 – 200 MHz Impedance (Ohms)	100±25
200 – 350 MHz Impedance (Ohms)	100±35
1.0 – 350.0 MHz 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)	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
31.26	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	-----

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Frequency (MHz)	PSNext (Min dB)	ElFEXT Max (dB/100m)	PSELFEXT (Min dB)
.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

Technical Diagram: