

CAT6 OUTDOOR CABLE

CMX UV RATED

Jack2Rack

SKU: 069-559/CMX

DESCRIPTION

Category-6 CMX, 8-Conductor, Outdoor Jacket (UV), 23AWG Solid-Bare Copper.

FEATURES

- High-Performance Data Cable
- 600MHz Bandwidth for Data Applications, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Category-6 Unshielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 23AWG Solid Copper Conductors
- Exceeds TIA/EIA-568B.2-1, ISO/IEC 11801
- CAN/CSA -C22.2 No. 214
- Outdoor UV Rated Jacket
- ETL Listed
- 1000ft Wooden Spool



27pcs per pallet
(Packaging may vary)

Technical Data

Rated Temperature	70°C
Rated Voltage	30V
Flammability Test	IEC-332-1

Conductor

Size **Solid Bare Copper**

23 AWG

Insulation

Insulation Diameter (±0.01mm) **PE**

Twisted Pair Diameter (±0.02mm) 1.01

Separator

Assembly Diameter 2.02

Jacket

Outer Diameter (±0.30mm) **PVC (UV)**

Rip Cord 6.20

Color Yes

Color of Pairs

Pair 1: Blue, White-Blue

Pair 2: Orange, White-Orange

Pair 3: Green, White-Green

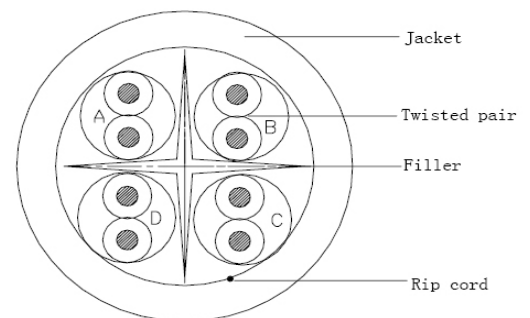
Pair 4: Brown, White-Brown

Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
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 on Jacket

VERTICAL 4001453 cETLus VERIFIED CMX UTP 4PR 23AWG
OUTDOOR UV CAT6 600MHz TIA/EIA - 568B.2-1 RoHS XXXFT
(SEQUENTIAL FOOT MARKERS ON JACKET)



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Rev. 02/2011

Subject to change without notice.

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PERFORMANCE

Electrical Characteristics:

Characteristics Impedance	1~400 MHz 100±15 Ohms
Conductor Resistance	93.8 Ohm/Km/20°C Max
Mutual Capacitance	56 pF/M Max
Dielectric Strength	AC 1.5 KV/Min
Spark Test	2.5 KV
DC Resistance Unbalance	5% Max
Delay Skew	1~400 MHz 25nS/100m Max

Electrical Performance

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next Min (dB)
1	20.0	2.0	76.3
4	23.0	3.8	67.3
8	24.5	5.3	62.8
10	25.0	6.0	61.3
16	25.0	7.6	58.3
20	25.0	8.5	56.8
25	24.3	9.5	55.3
31.25	23.6	10.7	53.9
62.5	21.5	15.4	49.4
100	20.1	19.8	46.3
155	18.8	25.1	43.5
200	17.3	29.0	41.8
250	16.3	32.8	40.3
300	16.8	36.4	39.2
400	15.9	43.0	37.3

Frequency (Mhz)	PSNext Min (dB)	ELFEXT Min(db/100m)	ACR Min(dB)
1	74.3	67.8	74.3
4	65.3	55.7	63.5
8	60.8	49.7	57.5
10	59.3	47.8	55.3
16	56.3	43.7	50.7
20	54.8	41.7	48.3
25	53.3	39.8	45.8
31.25	51.9	37.9	43.2
62.5	47.4	31.8	34.0
100	44.3	27.8	26.5
155	41.5	23.9	18.4
200	39.8	21.7	12.8
250	38.3	19.8	7.5
300	37.2	18.2	2.8
400	35.3	15.7	NA

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