

CAT6 + CAT6 SIAMESE STYLE CMR RISER RATED

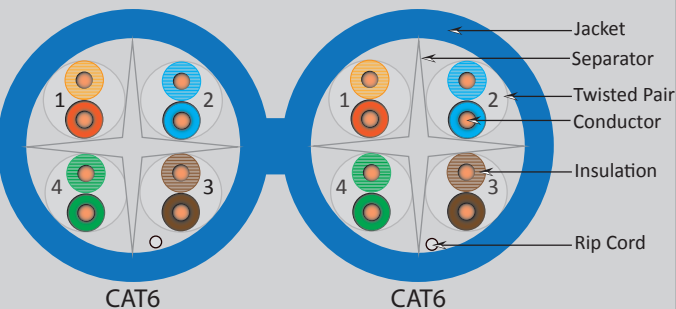


DESCRIPTION

Category-6 Dual, Siamese Style, 23AWG, UTP, 8C Solid Bare Copper, CMR Rated, PVC Jacket 1000ft.

FEATURES

- High-Performance Data Cable
- 550MHz Bandwidth for Data Applications
- Category-6 Unshielded Twisted Pair
- 23AWG Solid Copper Conductors
- Easily Identified Color-Striped Pairs
- Exceeds TIA/EIA-568B.2-1, ISO/IEC 11801
- Riser Rated PVC Jacket, CMR
- ETL Listed, RoHS Compliant
- 1000ft Wooden Spool



SKU: 294-2176

Technical Data

Rated Temperature	70 °C
Rated Voltage	30V
Product Standard Certification	CMR
Conductor	Solid Bare Copper
Size	23 AWG
Insulation	PE
Average Thickness (mm)	0.220
Insulation Diameter (±0.005mm)	1.01
Twisted Pair Diameter (±0.01)	2.02
Separator	LPE
Assembly Diameter	5.00
Jacket (Single)	PVC
Average Thickness (mm)	0.60
Outer Diameter (±0.2mm)	6.20
Rip Cord	Yes
Jacket (Siamese)	
Outer Diameter (±0.2mm)	12.50
Color	Blue
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 CMR UTP DUAL 4PR 23 AWG
CAT6 550 MHz TIA/EIA 568.2-1 RoHS

VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



www.verticalcable.com

Rev. 04/2015

Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

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PERFORMANCE

Electrical Characteristics:

1.0-350MHz Impedance (Ohms)	100±15
1.0-350MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (ohms/km)	72.2
Resistance Unbalance (%)	≤5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (db/100m)	Next (Min dB)
1	20.0	2.1	74.3
4	23.0	3.8	65.3
8	24.5	5.3	60.8
10	25.0	5.9	59.3
16	25.0	7.5	56.2
20	25.0	8.4	54.8
25	24.3	9.4	53.3
31.25	23.6	10.5	51.9
62.5	21.5	15.0	47.4
100	20.1	19.1	44.3
200	18.0	27.6	39.8
250	17.3	31.1	38.3
300	16.8	34.3	37.1
400	15.9	40.1	35.3
500	15.2	45.3	33.8

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(dB)	PSELFEXT Min(dB)	DELAY Max (ns/100m)
1	72.3	67.8	64.8	570.0
4	63.3	55.8	52.8	552.0
8	58.8	49.7	46.7	547.0
10	57.3	47.8	44.8	545.0
16	54.2	43.7	40.7	543.0
20	52.8	41.8	38.8	542.0
25	51.3	39.8	36.8	541.0
31.25	49.9	37.9	34.9	540.0
62.5	45.4	31.9	28.9	539.0
100	42.3	27.8	24.8	538.0
200	37.8	21.8	18.8	537.0
250	36.3	19.8	16.8	536.0
300	35.1	18.3	15.3	536.0
400	33.3	15.8	12.8	536.0
500	31.8	13.8	10.8	536.0

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