

# CAT5E + CAT5E SIAMESE STYLE CMR RISER RATED



**SKU: 294-2175**

## DESCRIPTION

Category-5E Dual, Siamese Style, 24AWG, UTP, 8C Solid Bare Copper, CMR Rated, PVC Jacket 1000ft.

## FEATURES

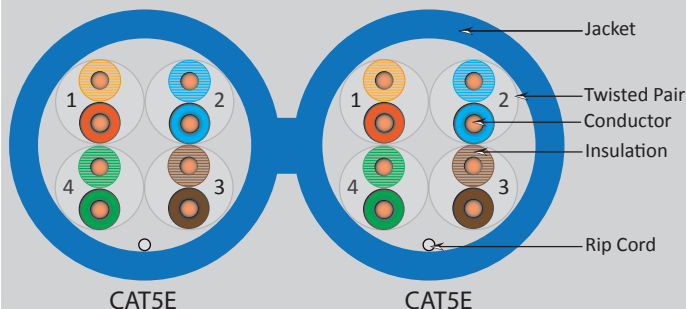
- High-Performance Data Cable
- 350MHz Bandwidth for Data Applications
- Category-5E Unshielded Twisted Pair
- 24AWG Solid Copper Conductors
- Easily Identified Color-Striped Pairs
- Exceeds TIA/EIA-568B.2, ISO/IEC 11801
- Riser Rated PVC Jacket, CMR
- ETL Listed, RoHS Compliant
- 1000ft Wooden Spool

### Technical Data

Rated Temperature	70 °C
Rated Voltage	30V
Product Standard Certification	CMR
<b>Conductor</b>	<b>Solid Bare Copper</b>
Size	24 AWG
<b>Insulation</b>	<b>PE</b>
Average Thickness (mm)	0.205
Insulation Diameter (±0.005mm)	0.91
Twisted Pair Diameter (±0.01)	1.82
<b>Assembly Diameter</b>	<b>3.80</b>
<b>Jacket (Single)</b>	<b>PVC</b>
Average Thickness (mm)	0.60
Outer Diameter (±0.2mm)	5.10
Rip Cord	Yes
<b>Jacket (Siamese)</b>	
Outer Diameter (±0.2mm)	10.50
Color	Blue
<b>Color of Pairs</b>	
Pair 1	Blue, White-Blue
Pair 2	Orange, White-Orange
Pair 3	Green, White-Green
Pair 4	Brown, White-Brown
<b>Mechanical Characteristics</b>	
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 24AWG  
CAT5E 350MHz TIA/EIA-568B.2 RoHS V1379P9087 1000FT



**VERTICAL CABLE**

951.696.7772 California  
800.749.2447 Florida  
845.391.8318 New York



[www.verticalcable.com](http://www.verticalcable.com)

Rev. 4/2014

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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)	93.8
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

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