

# CAT5E - 350MHz

## UTP - CMR (RISER-RATED)



### Part #: 151 SERIES

### DESCRIPTION

Category-5E, 24 AWG, UTP, 8C Solid Copper, 350 MHz, Riser Rated, PVC Jacket 1,000 FT

### FEATURES

- Category-5E Unshielded Twisted Pair
- 24AWG Solid Bare Copper Conductors
- 350MHz Bandwidth for Data Applications
- Easily Identified Color-Striped Pairs
- Exceeds EIA/TIA 568-C.2, ISO/IEC-11801
- RoHS and TAA-Compliant, CSA Approved
- ETL-Listed
- 1,000 FT Pull Box

#### Technical Data

Product Standard Certification	CMR
NVP	67%
Rated Voltage	30 V

#### Conductor

Size Solid Bare Copper

#### Insulation

Insulation Diameter 0.035 in. (0.90 mm ±0.05mm)

#### Jacket

Outer Diameter 0.205 in. (5.2 mm ±0.2mm)

Rip Cord Yes

#### Color of Pairs

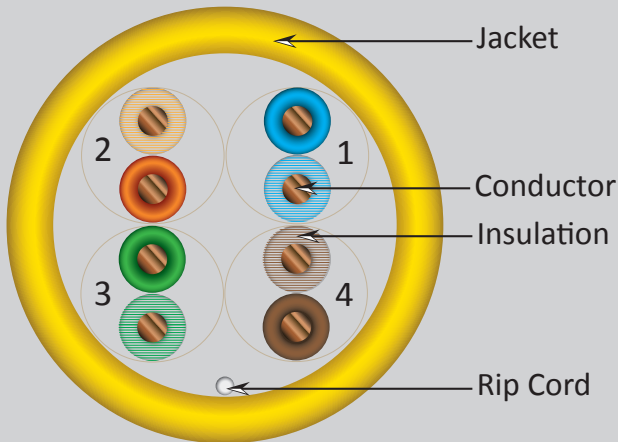
Pair 1	Blue, White-Blue
Pair 2	Orange, White-Orange
Pair 3	Green, White-Green
Pair 4	Brown, White-Brown

#### Mechanical Properties

Bending Radius:	4 x OD (without load)
Operating Temperature:	-20°C ~ 75°C

#### Marking on Jacket

VERTICAL ETL VERIFIED CAT5E TO ANSI/TIA 568-C.2 ETL CMR 24 AWG 4PR 75C UTP c(ETL)us FT 4 350MHZ RoHS XXXXFT (SEQUENTIAL FOOT MARKERS ON JACKET)



Jacket color available in Blue, Black, White, Green, Gray, Red, Yellow, Orange, Pink, Purple

## VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



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

Rev. 04/2021

Specs subject to change without notice.

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

# CAT5 ENHANCED 350MHz UTP - CMR RATED

## PERFORMANCE

### Electrical Properties:

DC resistance:	Max 9.38Ω / 100m at 20°C
Resistance unbalance:	Max 5% at 20°C
Mutual capacitance:	Max 5.6 nf / 100m at 1kHz
Cap. unbalance to ground:	Max 330 pf / 100m at 1kHz
Characteristic impedance:	(100 ± 15) Ω at 1 ~ 100 MHz
Nonimal velocity of propagation:	67%
Propagation delay:	≤ 535 ns / 100m
Delay skew:	≤ 45ns / 100m

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max	Next (ns/100m)	ACR Typ(db)
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
31.25	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	-----

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(db/100m)	PSELFEXT Min(db/100m)
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

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