



VERTICAL CABLE

DESCRIPTION

CAT5E, 24 AWG, UTP, 8C Solid Copper,
350 MHz, Riser Rated, PVC Jacket 1000 ft,
TAA Compliant

FEATURES

- Category-5E Unshielded Twisted Pair
- 24AWG Solid Bare Copper Conductors
- 350MHz Bandwidth for Data Applications
- Easily Identified Color-Striped Pairs
- Exceeds EIA/TIA 568.2-D, ISO/IEC-11801
- RoHS and TAA-Compliant, CSA Approved
- ETL-Listed
- 1000 ft. Pull Box
- Weight: 23 lb. (10.43 kg)



CAT6 CMR RISER CABLE

UNSHIELDED | TAA-COMPLIANT

151 SERIES

PART NUMBERS

151-101/BK	151-106/PK
151-102/BL	151-107/PR
151-103/GR	151-108/RD
151-104/GY	151-109/WH
151-105/OR	151-110/YL

TECHNICAL DATA

Standard Certification: CMR
NVP: 67%

CONDUCTOR

Size: Solid Bare Copper
24 AWG

INSULATION

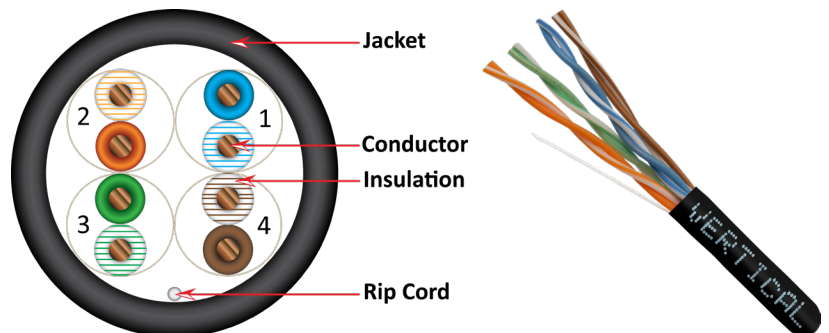
Insulation Diameter: PE
0.035 in. (0.90 mm $\pm$ 0.05 mm)

JACKET

Outer Diameter: PVC
0.205 in. (5.2 mm $\pm$ 0.2 mm)
Rip Cord: Yes
Color Coding: Pair 1: Blue/White-Blue Pair 2: Orange/White-Orange
Pair 3: Green/White-Green Pair 4: Brown/White-Brown
Marking: VERTICAL ETL VERIFIED CAT5E TO ANSI/TIA
568.2-D ETL 4006999 CMR 24 AWG 4PR 75C UTP
(ETL)us FT4 350MHZ V1660P14197 RoHS XXXXFT

MECHANICAL PROPERTIES

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



Florida (HQ)
800-749-2447

California
951-696-7772

New York
845-391-8318

Texas
713-322-7242

verticalcable.com

This specification sheet is subject to change without notice.



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ELECTRICAL CHARACTERISTICS

Rated Voltage:	30 V
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
Capacitance 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)	PSNEXT (Min dB)	ELNEXT (Min dB/100m)	PSELFEXT (Min dB/100m)
1	20.0	2.0	65.3	67.3	62.3	63.8	60.8
4	23.0	4.1	56.3	56.2	53.3	51.7	48.7
8	24.5	5.8	51.8	47.8	48.8	45.7	42.7
10	25.0	6.5	50.3	44.0	47.3	43.8	40.8
16	25.0	8.2	47.3	41.5	44.3	39.7	36.7
20	25.0	9.3	45.8	38.9	42.8	37.7	34.7
25	24.3	10.4	44.3	36.2	41.3	35.8	32.8
31.25	23.6	11.7	42.9	27.4	39.9	33.9	30.9
62.5	21.5	17.0	38.4	19.3	35.4	27.8	24.8
100	20.1	22.0	35.3	3.5	32.3	23.8	20.8
200	18.0	32.4	30.8	---	27.8	17.7	14.7
300	16.8	41.0	28.2	---	25.2	14.2	11.2
350	16.3	44.9	27.2	---	24.2	12.9	9.9

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