

CAT5 ENHANCED 350MHz SHIELDED, PLENUM RATED

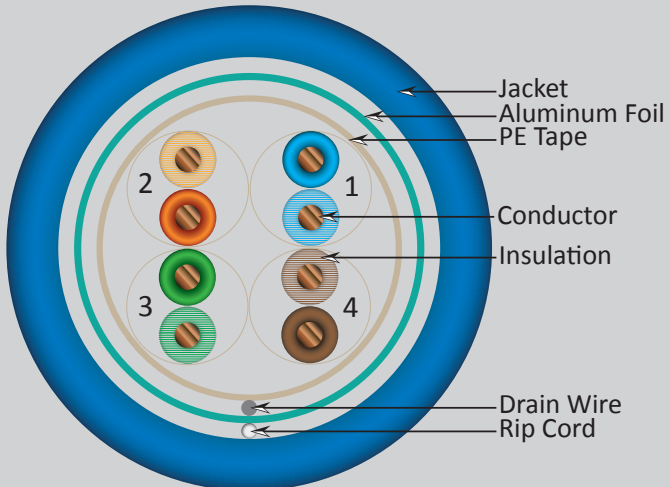


DESCRIPTION

CAT5E Shielded(STP), Plenum Rated (CMP), 24AWG 8C Solid-Bare Copper,1000ft

FEATURES

- High-Performance Data Communications Cable
- Suitable for 350MHz High-Speed Data Applications, ANSI X3T9.5 TP-PMD (FDDI), ATM PMD 155Mbps, IEEE 802.3 Fast Ethernet 10 Base-T, 100 Base-T4, 100 Base-X, IEEE 802.5, 4/16 Mbps Token Ring, IEEE 802.12, 100 Base-VG, Gigabit Ethernet
- Designed for Indoor Installations
- Plenum Rated (CMP)
- Category-5E Shielded Twisted Pair (STP) Cable
- Easily Identified Color-Striped Pairs
- 24AWG Solid Bare Copper Conductors, 4-Pair
- Excellent Attenuation and Crosstalk Characteristics
- ANSI/TIA-568 C.2
- UL Listed, TAA Compliant, RoHS Compliant
- Supplied in a 1000ft Pull Box



SKU: 057 CMP SERIES

Technical Data

Rated Temperature	70 °C
Product Standard Certification	CMP
Flammability Test	UL 444

Conductor

Size **Solid Bare Copper**
24 AWG

Insulation

Insulation Thickness (mm) **FEP**
0.225

PE-Tape	Yes
Drain Wire	Yes
Aluminum Foil	Yes

Jacket

Outer Diameter (mm) **FR-PVC**
5.6
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 Characteristics

Test Object	Jacket
Test Material	FR-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

Jacket color available in Blue, Gray and White

VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York



www.verticalcable.com

Rev. 07/2015

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:

Mutual Capacitance (nF/100m)	≤5.6
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (Ω/km)	93.8
Resistance Unbalance (%)	≤5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (Min dB)
1	20.0	2.0	65.3
4	23.0	4.1	56.3
8	24.5	5.8	51.8
10	25.0	6.5	50.3
16	25.0	8.2	47.2
20	25.0	9.3	45.8
25	24.3	10.4	44.3
31.25	23.6	11.7	42.9
62.5	21.5	17.0	38.4
100	20.1	22.0	35.3

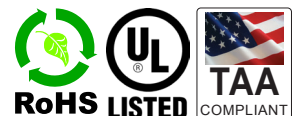
Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(dB/100m)	PSELFEXT Min(dB/100m)
1	62.3	63.8	60.8
4	53.3	51.7	48.7
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.2	39.7	36.7
20	42.8	37.8	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8

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