

CAT5 ENHANCED 350MHz SHIELDED, PLENUM RATED TAA COMPLIANT

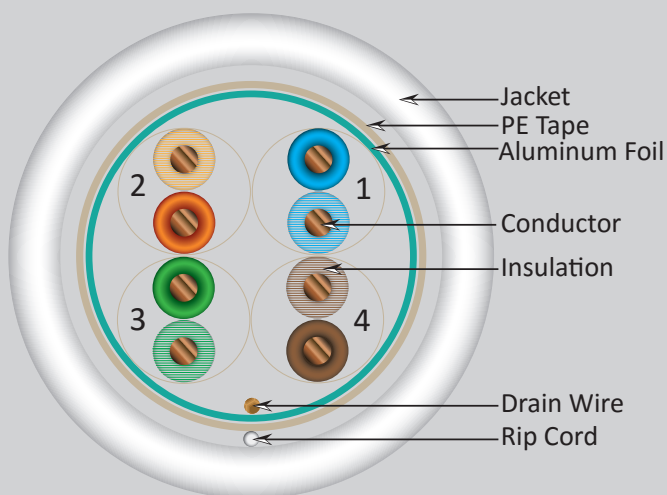


DESCRIPTION

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

Color of Pairs

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

Drain Wire	Yes
Aluminum Foil	Yes
PE-Tape	Yes
Rip Cord	Yes

Jacket

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

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, White, Yellow

VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



www.verticalcable.com

Rev. 12/2016

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	Impedance	Attenuation	Return Loss	NEXT	PS-NEXT	ACRF	PS-ELNEXT
MHz	Ohm	dB(100m)	dB	dB(100m)	dB(100m)	dB(100m)	dB(100m)
		Minimum	Minimum	Minimum	Minimum	Minimum	Minimum
1	100 ± 15	2.0	20.0	65.3	62.3	63.8	60.8
4	100 ± 15	4.1	23.0	56.3	53.3	51.8	48.8
8	100 ± 15	5.8	24.5	51.8	48.8	45.7	42.7
10	100 ± 15	6.5	25.0	50.3	47.3	43.8	40.8
16	100 ± 15	8.2	25.0	47.2	44.2	39.7	36.7
20	100 ± 15	9.3	25.0	45.8	42.8	37.8	34.8
25	100 ± 15	10.4	24.3	44.3	41.3	35.8	32.8
31.25	100 ± 15	11.7	23.6	42.9	39.9	33.9	30.9
62.5	100 ± 15	17.0	21.5	38.4	35.4	27.9	24.9
100	100 ± 15	22.0	20.1	35.3	32.3	23.8	20.8
155	100 ± 22	28.1	18.8	32.4	29.4	20.0	17.0
200	100 ± 22	32.4	18.0	30.8	27.8	17.8	14.8
250	100 ± 32	36.9	17.3	29.3	26.3	15.8	12.8
300	100 ± 32	41.0	16.8	28.1	25.1	14.3	11.3
350	100 ± 32	44.9	16.3	27.1	24.1	12.9	9.9

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