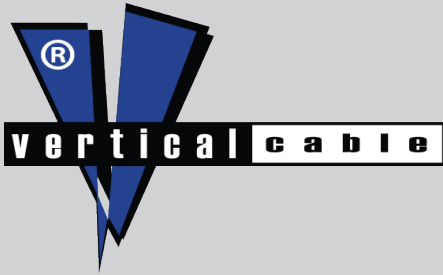


CAT5 ENHANCED 350MHz SHIELDED, PLENUM RATED

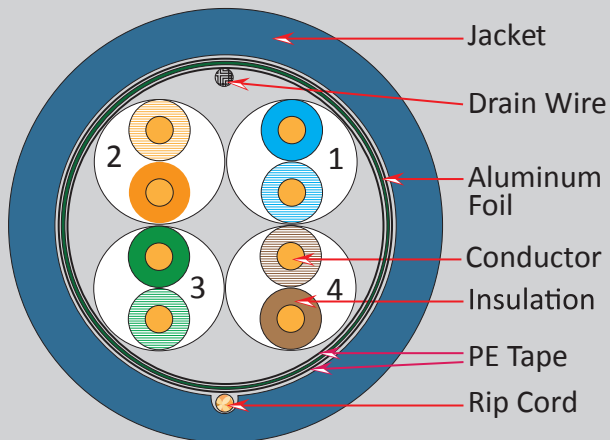


DESCRIPTION

Category-5E, 24AWG, STP, Solid Bare Copper
CMP Rated.

FEATURES

- 350MHz Bandwidth for Data Applications
- Category-5E Shielded Twisted Pair
- High-Performance Data Cable
- Easily Identified Color-Striped Pairs
- 24AWG Solid Copper Conductors
- Exceeds TIA/EIA-568B.2-1, ISO/IEC 11801
- CMP Rated, ETL Verified, RoHS Compliant
- 1000ft Wooden Spool



SKU: 057 CMP SERIES

Technical Data

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

Conductor

Size Solid Bare Copper

Insulation

Insulation Diameter (±0.005mm)	FEP 0.95
Twisted Pair Diameter (±0.01)	1.90

PE-Tape	Yes
Drain Wire	0.40 (Solid TC)
Aluminum Foil	Yes
PE-Tape	Yes

Jacket

Outer Diameter (±0.10mm)	FR-PVC 5.90
Rip Cord	Yes (Nylon)

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

Marking on Jacket

CAT5E CMP 24AWG FTP c(ETL) US FT6 350MHz ETL VERIFIED
CAT5E TO TIA-568B.2 RoHS XXXFT
(SEQUENTIAL FOOT MARKERS ON JACKET)

Jacket color available in
Blue, Gray and White

VERTICAL CABLE

954 454-3554 Florida Office

951 696-7772 California Office



www.verticalcable.com

Rev. 11/2013

Subject to change without notice.

CAT5 ENHANCED 350MHz SHIELDED, PLENUM RATED

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)	86.5
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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