



**VERTICAL CABLE**

# CAT5E CMP CABLE

F/UTP | ETL-LISTED

## 057-900 SERIES

### DESCRIPTION

**CAT5E, 24 AWG, F/UTP, 4P 8C Solid Bare Copper, Plenum Rated (CMP), PVC Jacket 1000 ft. Pull Box**

### FEATURES

- Overall Foil-Shielded Twisted-Pair (F/UTP) Construction
- Plenum Fire Safety Rating (CMP)
- 24 AWG 4 Pair Bare Copper Conductors
- Easy-to-See Vivid-Color Conductor Insulation & Jacket
- Meets or exceeds ANSI/TIA-568.2-D, ISO/IEC 11801 Transmission Performance Specifications
- Meets UL444 specifications
- Supports PoE (Type 3) IEEE 802.3bt (51W)
- ETL Listed, RoHS Compliant
- 1000 ft. Pull Box
- Weight: 29.7 lb. (13.5 kg)



PART NUMBERS		
057-900/S/P/BK	● (Black)	057-910/S/P/GR ● (Green)
057-905/S/P/BL	● (Blue)	

#### CONDUCTOR

Size: Solid Bare Copper 23 AWG

#### INSULATION

FEP

Average Thickness: 0.009 in. (0.22 mm)

Min. Point Thickness: 0.008 in. (0.2 mm)

Insulation Diameter: 0.04 in. (1.01 mm)

Twisted Pair Diameter: 0.08 in. (2.02 mm)

Bond: PE Tape

Shield: AL Foil

Drain Wire Diameter: 0.016 in. (0.40 mm) Solid Tinned Copper

#### ASSEMBLY DIAMETER

0.2 in. (5.00 mm)

#### JACKET

PVC CMP-Rated

Average Thickness: 0.016 in. (0.40 mm)

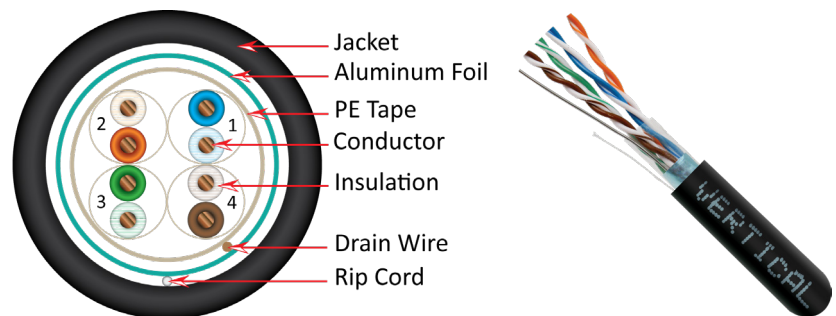
Min. Point Thickness: 0.014 in. (0.36 mm)

Outer Diameter: 0.23 in. (5.8 mm)

Rip Cord: Yes (Aramid Yarn)

Color Coding: Pair 1: Blue/White-Blue Pair 2: Orange/White-Orange Pair 3: Green/White-Green Pair 4: Brown/White-Brown

Marking: VERTICAL CABLE 4001453 C(ETL)US CMP FT6 75C CAT5E 350MHz 24AWG 4PR F/UTP ETL VERIFIED TO ANSI/TIA-568.2-D RoHS V1379P14721 XXXFT



Florida (HQ)  
800-749-2447

California  
951-696-7772

New York  
845-391-8318

Texas  
713-322-7242

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

This specification sheet is subject to change without notice.



RoHS



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Rev. 06/2026

## 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

## MECHANICAL

Test Object:	Jacket
Test Material:	PVC
<b>BEFORE AGING</b>	
Tensile Strength (MPa):	≥13.8 MPa
Aging Elongation (%):	≥100
Aging Condition (°Cxhrs):	100x168
<b>AFTER AGING</b>	
Tensile Strength (MPa):	≥85% of unaged
Aging Elongation (%):	≥50% of unaged
Cold Bend (-20±2° Cx4hrs):	No Crack

## TECHNICAL DATA

Temperature Rating:	75 °C
Voltage Rating:	300 V
Product Standard Certification:	CMP
Application:	Horizontal Wiring in LAN
Reference Standard:	ANSI/TIA-568.2-D & ISO/IEC 11801

Frequency (Mhz)	Return Loss (Min dB)	Attenuation (Max dB/100)	Next (ns/100m)	PSNEXT (Min dB)	ACR-F (Min dB/100m)	PSACR-F (Min dB/100m)
1	20.0	2.0	68.3	66.3	63.8	60.8
4	23.0	4.1	59.3	57.3	51.7	48.7
8	24.5	5.8	54.8	52.8	45.7	42.7
10	25.0	6.5	53.3	51.3	43.8	40.8
16	25.0	8.2	50.3	48.3	39.7	36.7
20	25.0	9.3	48.8	46.8	37.8	34.8
25	24.3	10.4	47.3	45.3	35.8	32.8
31.25	23.6	11.7	45.9	43.9	33.9	30.9
62.5	21.5	17.0	41.4	39.4	27.8	24.8
100	20.1	22.0	38.3	36.3	24.0	21.0
155	18.8	28.1	35.5	33.5	20.0	17.0
200	18.0	32.4	33.8	31.8	17.7	14.7
240	17.4	36.0	32.6	30.6	16.2	13.2
300	16.8	41.0	31.2	29.2	14.2	11.2
350	16.3	44.9	30.1	28.1	12.9	9.9

\* Values above 100 MHz are information only.

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