

# CAT5E OUTDOOR CABLE SHIELDED WITH DRAIN WIRE

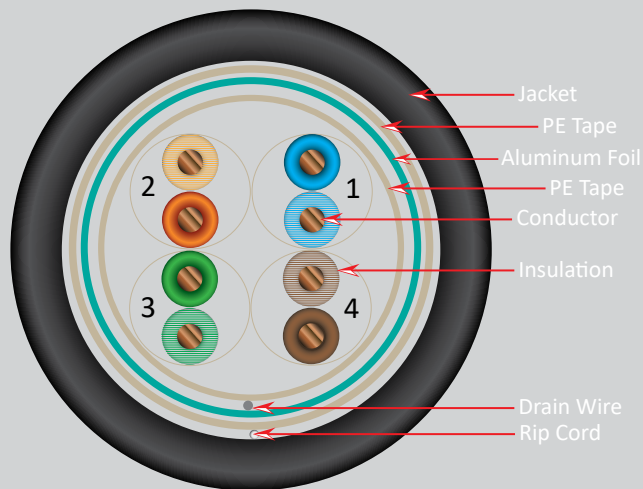


## DESCRIPTION

Category-5E, STP w/Drain Wire, 8-Conductor, Outdoor UV Rated Jacket, Solid-Bare Copper.

## FEATURES

- Category-5E Shielded Twisted Pair
- High-Performance Data Cable
- UV Rated LLDPE Jacket
- Aluminum Foil protects from EMI/RFI
- PE Tape
- Easily Identified Color-Striped Pairs
- 24AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2
- ETL Listed, RoHS Compliant
- 1000ft Wooden Spool



**SKU: 059-495/S1/CWT**

### Technical Data

Rated Temperature	-40~70 °C
Rated Voltage	60V
<b>Conductor</b>	<b>Solid Bare Copper</b>
Size	24 AWG
<b>Insulation</b>	<b>PE</b>
Average Thickness (mm)	0.228
Min. Point Thickness (mm)	0.220
Insulation Diameter (±0.005mm)	0.97
Twisted Pair Diameter (±0.01)	1.94
PE-Tape	Yes
Drain Wire (TC)(mm)	0.40
AL-Foil	Yes
PE-Tape	Yes
Assembly Diameter (mm)	4.80
<b>Jacket (Black)</b>	<b>LLDPE</b>
Average Thickness (mm)	0.70
Min. Point Thickness (mm)	0.63
Outer Diameter (±0.10mm)	6.30
Rip Cord	Yes (Nylon)
<b>Color of Pairs</b>	
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	LLDPE
Before	Tensile Strength (Mpa) ≥10.6
Aging	Elongation (%) ≥300
Aging Condition (°Cxhrs)	100x168
After	Tensile Strength (Mpa) ≥85% of unaged
Aging	Elongation (%) ≥50% of unaged
Cold Bend (-40±2° Cx4hrs)	No Crack

### Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED STP 4PR 24AWG OUTDOOR DIRECT BURIAL UV LLDPE CWT/S1 CAT5E 350MHz TIA/EIA - 568C.2 RoHS XXXFT (SEQUENTIAL FOOT MARKERS ON JACKET)

Jacket color available in  
Black

**VERTICAL CABLE**

800.749.2447 Florida  
951.696.7772 California  
845.391.8318 New York



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

Rev. 06/2017

Specs subject to change without notice.  
It is the sole responsibility of the user to have the most current specs.

# CAT5E OUTDOOR CABLE

## SHIELDED WITH DRAIN WIRE

### PERFORMANCE

#### Electrical Characteristics:

1.0-350.0MHz Impedance (Ohms)	100±15
1.0-350.0MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (ohms/km)	95
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	33.8
200	18.0	32.4	35.5
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	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	44.3	39.7	36.7
20	42.8	37.7	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.8	24.8
100	32.3	23.8	21.0
200	27.8	17.7	14.7
300	25.2	14.2	11.2
350	24.2	12.9	9.9

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