

# CAT5E OUTDOOR CABLE

## STP (CELL TOWER CABLE)

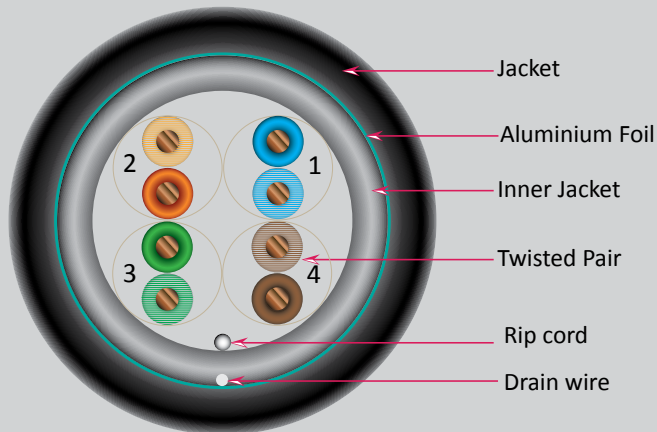


### DESCRIPTION

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

### FEATURES

- Category-5E Shielded Twisted Pair
- Ideal for Cell Tower Applications
- High-Performance Data Cable
- UV Rated LLDPE Outer Jacket
- Aluminum Foil protects from EMI/RFI
- Dual Jacket for added resistance
- Easily Identified Color-Striped Pairs
- 24AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2
- ETL Listed, RoHS Compliant
- 1000ft Wooden Spool or Reel in Box



**SKU: 059-494/WS/CWT, 059-494/RB/CWT**

#### Technical Data

Rated Temperature	-40~70 °C
Rated Voltage	60V
Flammability Test	IEC-332-1
Product Standard Certification	CMX
Application	Wiring LAN Cell Tower

#### Conductor

Size **Solid Bare Copper**  
24 AWG (0.51mm)

#### Insulation

Average Thickness (mm)	0.208
Insulation Diameter (±0.005mm)	0.91
Twisted Pair Diameter (±0.01)	1.92

#### Colors of Pairs

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

Assembly Diameter (mm) 3.80

#### Inner Jacket (Gray)

Average Thickness (mm)	0.40
Outer Diameter (±0.10mm)	4.80
Rip Cord	Yes

Drain Wire (Tinned Copper) 7/0.16

#### Aluminum Foil

#### Outer Jacket (Black)

Average Thickness (mm)	0.70
Outer Diameter (±0.10mm)	6.60

#### 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 (DRY) UV LLDPE 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. 02/2017

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:

1.0-350.0MHz Impedance (Ohms±15)	100
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
240	17.4	63.0	33.8
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	37.7	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	23.8	21.0
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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