VERTICAL CABLE

CAT5E OUTDOOR CABLE
CMX | UV-RESISTANT | DIRECT BURIAL
CELL TOWER APPLICATIONS
24 AWG 8 CONDUCTOR (F/UTP)

059-494/WS/CWT

DESCRIPTION

CAT5E PoE Type 3, 350 MHz, Cell Tower Outdoor or Direct Burial, Shielded, Dual Jacket, 1000 ft., Spool, Black

FEATURES

- Supports PoE ++ (Type 3)
- Supports 10/100/1000BASE-T applications
- Outdoor UV-Resistant jacket
- Direct Burial/Shielded
- 350-MHz bandwidth supporting wide range of applications
- 24 AWG Solid Copper Conductors
- Easily identifiable pair insulation colors
- Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications
- CAN/CSA-C22.2 No. 214, RoHS compliant
- ETL listed
- Weight: 30.6 lb. (13.6 kg)



TRANSMISSION PERFORMANCE

Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

CONSTRUCTION

Pairs:	4
Conductors:	8
Rip Cord:	1
Drain Wire:	Tinned Copper 0.02 in. (0.40 mm)
Screen:	Foiled (F/UTP)

CONDUCTORS

Material:	Solid Bare Annealed Copper
Size:	24 AWG

INSULATION

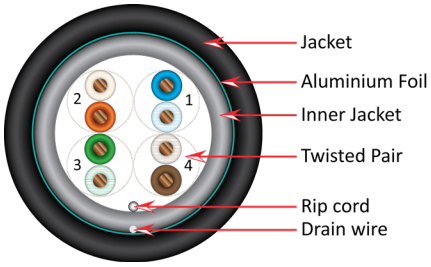
Material:	PE
Diameter:	0.04 in (0.91 mm)
Average Thickness:	0.008 in. (0.20 mm)
Min. Point Thickness:	0.007 in. (0.18 mm)
Color Coding:	**Pair 1:** Blue/White-Blue **Pair 2:** Orange/White-Orange **Pair 3:** Green/White-Green **Pair 4:** Brown/White-Brown

INNER JACKET (GREY)

Material:	Polyethylene (PE)
Outer Diameter:	0.19 in. (4.80 mm)
Average Thickness:	0.015 in. (0.40 mm)
Min. Point Thickness:	0.014 in. (0.35 mm)

OUTER JACKET (BLACK)

Material:	Linear Low Density Polyethylene (LLDPE)
Outdoor Rating:	UV-Resistant
Outdoor Diameter:	0.26 in. (6.60 mm)
Average Thickness:	0.03 in. (0. mm)
Min Thickness:	0.021 in. (0.54 mm)
Marking:	VERTICAL 4001453 cETLus VERIFIED CMX F/UTP 4PR 24AWG OUTDOOR CELL TOWER & DIRECT BURIAL UV LLDPE CAT5E 350MHz ANSI/TIA-568.2-D RoHS V1379P12760 XXXXFT





Florida (HQ) 800-749-2447
California 951-696-7772
New York 845-391-8318
Texas 713-322-7242

verticalcable.com

This specification sheet is subject to change without notice.

RoHS Intertek

Rev. 11/2026

PERFORMANCE

059-494/WS/CWT

ELECTRICAL

Voltage Rating: 60 VRMS

MECHANICAL

BEFORE AGING

Tensile Strength (MPa): ≥13.8 MPa
Elongation (%): ≥100
Aging Conditions (°C × h): 100x168

AFTER AGING

Tensile Strength (MPa): ≥85% of unaged
Elongation (%): ≥50% of unaged
Cold Bend (-40±2° Cx4hrs): No Crack

SAFETY

FPA 70 (NEC®) Fire Rating: CMX

ENVIRONMENTAL

Operating Temperature: -40 °F–167 °F (-40 °C–75 °C)

Frequency (Mhz)	Return Loss (Min dB)	Attenuation (Max dB/100m)	Next (Min dB)	PSNEXT (Min dB)	ELFEXT (Min dB/100m)	PSELFEXT (Min dB)
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	37.7	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	33.8	36.3	23.8	21.0
200	18.0	32.4	35.5	31.8	17.7	14.7
240	17.4	63.0	33.8	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