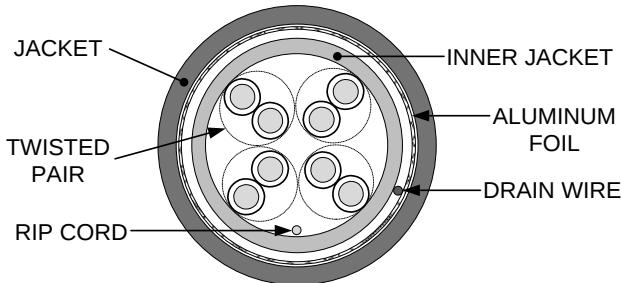


Bulk Cable Specification

TOFDLC5-BLK CATEGORY 5E DIRECT BURIAL F/UTP SHIELDED (WATERPROOF)

Cross-Sectional View		Color Code
		Pair 1. Blue, White/Blue Pair 2. Orange, White/Orange Pair 3. Green, White/Green Pair 4. Brown, White/Brown
ITEM		DESCRIPTION
Conductor	No. of Conductors	4 Pairs
	Material	Solid Bare Copper
	Gauge	24 AWG
Insulation	Material	PE
	Nominal Thickness	.008" [0.208mm]
	Nominal Diameter	.036" [0.91mm]
	Twisted Pair Diameter	.076" [1.92mm]
Shielding	Material	Aluminum Foil
	Coverage	100%
Drain Wire	Material	Tinned Copper
	Nominal Diameter	.016" [0.40mm]
Rip Cord	Material	Yes
Inner Jacket	Nominal Thickness	.016" [0.40mm]
	Outer Diameter	.189" [4.80mm]
	Color	Gray
Outer Jacket	Material	LSZH (UV)
	Nominal Thickness	.024" [0.60mm]
	Nominal Diameter	.252" [6.40mm]
	Color	Black
Jacket Marking: VERTICAL 4001453 cETLus VERIFIED CMX F/UTP 4PR 24AWG OUTDOOR DIRECT BURIAL (DRY) UV LSZH CAT5E 350MHz ANSIEIA-568C.2 RoHS VXXX POXXXX FTXXX (SEQUENTIAL FOOT MARKERS ON JACKET)		
ELECTRICAL PROPERTIES		
Voltage Rating (V)		60
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)		88.5
Resistance Unbalance (%)		≤5
MECHANICAL CHARACTERISTICS		
Test Object		Jacket
Test Material		LSZH (UV)
Before	Tensile Strength (Mpa)	≥13.8
Aging	Elongation (%)	≥100
Aging Condition (°C x hrs)		100 x 168
After	Tensile Strength (Mpa)	≥85% of unaged
Aging	Elongation (%)	≥50% of unaged
Cold Bend (-20±2°C x 4hrs)		No Crack
Bend Radius		>.787" [20mm]
LISTINGS / RATINGS		
Temperature Rating: -20-75°C		
CMX, ETL Listed, RoHS Compliant, Direct Burial (Waterproof)		
Flammability Test: IEC-332-1		
PACKAGING		
1000ft Spool		

(Information subject to change without notice)

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
200	18.0	32.4	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	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	34.7
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	20.8
200	27.8	17.7	14.7
300	25.2	14.2	11.2
350	24.2	12.9	9.9