Cat6 Outdoor Direct Burial Gel Filled Unshielded Cable

SKU: TS-ODCMX/6-BK

23AWG • 4 Twisted Pairs • CMX •
U/UTP 550MHz •
Solid Bare Copper

Packaging Available

•1000ft Reel

Jacket Colors

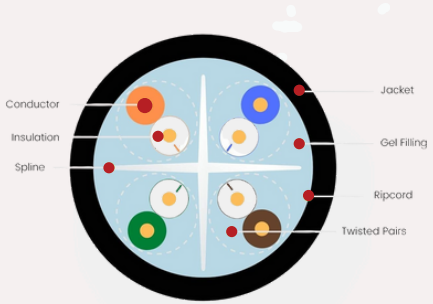
Key Features

- Bandwidth tested up to 550 MHz
- Suitable for 10-Gigabit Ethernet up to 165ft
- Easily Identified Color Striped Pairs Sequential Footage Markings Every 2ft
- Direct burial cable
- Certified to ANSI/TIA 568.2-D
- RoHS-3 compliant
- Supports PoE, PoE+, and PoE++ (IEEE 802.3af/at/bt) up to 60W & 300V DC

Technical Data

Operating Temp. Range	75°C/167°F
Max. Operating Voltage	300v
Bend Diameter Min.	2.0in/50.8mm

Insulation		PE
Average Thickness		0.220
Min Point Thickness		0.202
Conductor Insulation Dia.	(±0.01mm)	1.01
Twisted Pair Dia.	(±0.02mm)	2.02
Gel Filled		Yes PE
Spline		LLDPE
Jacket		
Average Thickness		0.60
Min. Point Thickness		0.55
Overall Diameter	(±0.1mm)	6.20
Ripcord		Yes
Conductor		Solid Bare Copper
Size		23AWG
Conductor Dia.	(±0.05mm)	0.57



Color of Pairs	
Pair 1	Blue- White/Blue
Pair 2	Orange- White/Orange
Pair 3	Green- White/Green
Pair 4	Brown- White/Brown

RoHS compliant

Electrical Characteristics

Frequency MHz	Return Loss Min (dB)	Attenuation Max (dB/100m)	Next (Min dB)
1 4 8	20.0	2.0	65.3
16	23.0	4.1	56.3
20	24.5	5.8	51.8
62.5	26.0	8.2	47.3
100	26.5	9.3	45.8
200	25.0	17.0	38.4
250	25.0	22.0	35.3
350	18.0	32.4	30.8
400	17.3	36.9	29.3
550	16.8	41.0	28.2
	15.9	48.5	26.3
	14.9	58.8	24.2

Frequency MHz	PSNEXT Min (dB)	ELFEXT Min (dB/100m)	PSELFEXT Min (dB/100m)	Delay Max (ns/100m)
1 4 8	62.3	63.8	60.8	570.0
16	53.3	51.7	48.7	552.0
20	48.8	45.7	42.7	546.7
62.5	44.3	49.7	36.7	543.0
100	42.8	37.7	34.7	542.0
200	35.4	27.8	24.8	538.6
250	32.3	23.8	20.8	537.6
350	27.8	17.7	14.7	536.5
400	26.3	15.8	12.8	536.3
550	25.2	14.2	11.2	536.1
	23.3	11.7	8.7	535.8
	21.2	8.9	5.9	535.5

1.0-500.0MHz Impedance	(ohms)	100 ± 15
1.0-500.0MHz Delay Skew	(ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance	(pF/100m)	<=330
Max. Conductor DC Resistance 20oC (ohms/km)		72.2
Resistance Unbalance	(%)	<=5

Mechanical Characteristics

Test Object	Jacket
Test Material	PE
Before Tensile Strength (Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend (-20+2° Cx4hrs)	No Crack

Returns? No problem.
Guarantee? Of course

RoHS compliant