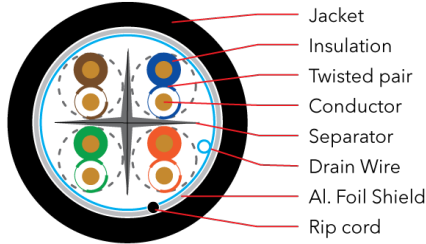


CAT 6 600MHz FTP PLENUM (CMP) 23/4 SHIELDED FT6 Cable

Cable Detail



Applicable Standards

- C(ETL) listed FT4 CMR
- C(ETL)US Verified to TIA-568-C.2
- RoHS Compliant



Physical Characteristics

Conductor Material	Solid Bare Copper
Number of Conductors	4
AWG	23 AWG
Stranding	Solid
Insulation Material	FEP
Overall Diameter	0.045 in. $\pm$ 0.0002 in
Average Thickness	0.0085 in
Assembly Diameter	0.2559 in. $\pm$ 0.0078 in.
Jacket Material	Low Smoke FR-PVC
Average Thickness	0.0197 in.
Nominal Outer Diameter	0.311 in. $\pm$ 0.008 in.
Nominal Weight	49 lbs.
Shielding (Y/N)	Yes (AL-Foil)
Ripcord (Y/N)	Yes
Separator (Y/N)	Yes

Mechanical Characteristics

Temperature Range	Installation	0°C to + 75°C
	Operating	-20°C to + 75°C
Tensile Strength	Before	$\geq$ 13.8 Mpa
Elongation	Aging	$\geq$ 100%
Aging Condition		100°C x 168 hours
	After	$\geq$ 85% of unaged
	Aging	$\geq$ 50% of unaged

Insulation Colors

Pair 1	White / Blue	Blue
Pair 2	White / Orange	Orange
Pair 3	White / Green	Green
Pair 4	White / Brown	Brown

Part Numbers	Jacket Color	Package
6E04FPXX2N	Blue, White, Grey	1000FT / Reel

Electrical Characteristics

DC Resistance	9.38 Ω / 100m Max. @ 20°C
Resistance Unbalanced	5% Max. @ 20°C
Capacitance Unbalance	330 pF / 100m Max. @ 20°C
Mutual Capacitance	5.6 nF / 100m Max. @ 20°C
Delay Skew	45 nS / 100m Max. @ 20°C
Nominal of Propagation	69%

Electrical Performance

Frequency (MHz)	Attenuation (dB/100m) Max.	Return loss (dB) Min.	NEXT (dB) Min.	PS-NEXT (dB) Min.
1	2.10	20.0	75.3	72.3
4	3.80	23.0	66.3	63.3
8	5.30	24.5	61.8	58.8
10	5.90	25.0	60.3	57.3
16	7.50	25.0	57.2	54.2
20	8.40	25.0	55.8	52.8
25	9.40	24.3	54.3	51.3
31.25	10.50	23.6	52.9	49.9
62.5	15.00	21.5	48.4	45.4
100	19.10	20.1	45.3	42.3
200	27.60	18.0	40.8	37.8
250	31.10	15.6	39.3	36.6
300	34.30	16.8	38.1	35.1
500	-	15.2	34.8	31.5
600	-	14.7	33.6	30.6

Frequency (MHz)	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB) Min.	Delay (ns/100m) Max.
1	68.00	65.00	552.00
4	56.00	53.00	546.00
8	49.90	46.90	545.00
10	48.00	45.00	543.00
16	43.30	40.90	542.00
20	42.00	39.00	541.00
25	40.00	37.00	540.00
31.25	38.10	35.10	538.00
62.5	32.10	29.10	537.00
100	28.00	25.00	536.00
200	22.00	19.00	535.00
250	20.00	17.00	534.00
300	18.50	15.50	534.00
500	14.00	11.00	-
600	12.00	10.00	-

* Values above 250MHz are information only.

Cable Marking

XXXXXXX CATEGORY 6 600MHZ 23AWG 4PR FTP CMP 75C FT6
C(ETL)US VERIFIED (ETL) ANSI/TIA-568-C.2 *****FT

