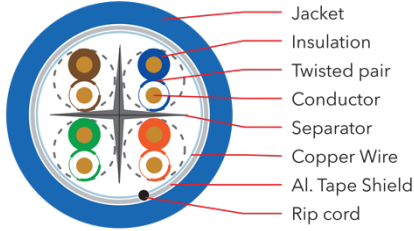


# CAT 6A FTP 10G PLENUM (CMP) 23/4 SHIELDED FT6 CABLE



### Cable Detail



### Applicable Standards

- C(ETL) listed FT6 CMP
- 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	0.041 in
Jacket Material	Flame Retardant PVC
Jacket Diameter	0.3153 in.
Spacer Thickness	0.0393 in.
Outer Sheath Thickness	0.0177 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	>= 13.8 Mpa
Elongation	Aging	>= 100%
		100°C x 168 hours
	After	>= 85% of unaged
Aging Condition	Aging	>= 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

<b>Part Numbers</b>	<b>Jacket Color</b>	<b>Package</b>
<b>6A04FPXX3</b>	Blue, White	1000FT / RIB

### 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	2.08	20.00	74.30	72.30
4	3.80	23.01	65.27	63.27
8	5.31	24.52	60.75	58.75
10	5.93	25.00	59.30	57.30
16	7.49	25.00	56.24	54.24
20	8.38	25.00	54.78	52.78
25	9.38	24.32	53.33	51.33
31.25	10.50	23.64	51.88	49.88
62.5	14.99	21.54	47.36	45.36
100	19.14	20.11	44.30	42.30
200	27.58	18.00	39.78	37.78
250	31.07	17.32	38.33	36.33
300	34.27	16.77	37.14	35.14
400	40.05	15.89	35.27	33.27
500	45.26	15.21	33.82	31.82
600	50.05	14.66	32.63	30.63
625	51.20	14.54	32.36	30.36
650	52.33	14.42	32.11	30.11
700	54.53	14.19	31.62	29.62
750	56.68	13.98	31.17	29.17

Frequency (MHz)	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB) Min.	PS-ANEXT (dB/100m)	PS-AELFEXT (dB/100m)
1	67.80	64.80	67.00	67.00
4	55.76	52.76	67.00	66.16
8	49.74	46.74	67.00	60.14
10	47.80	44.80	67.00	58.20
16	43.72	40.72	67.00	54.12
20	41.78	38.78	67.00	52.18
25	39.84	36.84	67.00	50.24
31.25	37.90	34.90	67.00	48.30
62.5	31.88	28.88	65.56	42.28
100	27.80	24.80	62.50	38.20
200	21.78	18.78	57.98	32.18
250	19.84	16.84	56.53	30.24
300	18.26	15.26	55.34	28.66
400	15.76	12.76	53.47	26.16
500	13.82	10.82	52.02	24.22
600	12.24	9.24	50.83	22.64
625	11.88	8.88	50.56	22.28
650	11.54	8.54	50.31	21.94
700	10.90	7.90	49.82	21.30
750	10.30	7.30	49.37	20.70

\* Values above provided are for information only.

### Cable Marking

XXXXXX CATEGORY 6A 10G 23AWG 4PR FTP CMP FT6 75C FT6  
C(ETL)US VERIFIED (ETL) ANSI/TIA-568-C.2 \*\*\*\*\*FT

