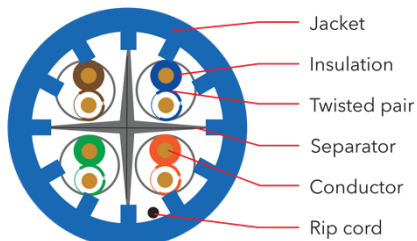


CAT 6A UTP 10G PLENUM (CMP) 23/4 UNSHIELDED FT6 CABLE

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	0.3543 in.
Jacket Spacer Thickness	0.0393 in.
Outer Sheath Thickness	0.0177 in.
Nominal Weight	41 lbs.
Shielding (Y/N)	No
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%
Aging Condition		100°C x 168 hours
	After	>= 85% of unaged
	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

Part Numbers	Jacket Color	Package
6A04UPBL2	Blue	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 Velocity of Propagation (NVP)	64%

Electrical Performance

Frequency (MHz)	Attenuation (dB/100m) Max.	Return loss (dB) Min.	NEXT (dB) Min.	PS-NEXT (dB) Min.
1	2.1	20.0	74.3	72.3
4	3.8	23.0	65.3	63.3
8	5.3	24.5	60.8	58.8
10	5.9	25.0	59.3	57.3
16	7.5	25.0	56.2	54.2
20	8.4	25.0	54.8	52.8
25	9.4	24.3	53.3	51.3
31.25	10.5	23.6	51.9	49.9
62.5	15.0	21.5	47.4	45.4
100	19.1	20.1	44.3	42.3
200	27.6	18.0	39.8	37.8
250	31.1	17.3	38.3	36.3
300	34.3	16.8	37.1	35.1
400	40.1	15.9	35.3	33.3
500	45.3	15.2	33.8	31.8
600	50.1	14.7	32.6	30.6
625	51.2	14.5	32.4	30.4
650	52.3	14.4	32.1	30.1
700	54.5	14.2	31.7	29.6
750	56.7	14.0	31.2	29.2

Frequency (MHz)	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB) Min.	PS-ANEXT (dB/100m)	PS-AELFEXT (dB/100m)
1	67.8	64.8	67.0	67.0
4	55.8	52.8	67.0	66.2
8	49.7	46.7	67.0	60.1
10	47.8	44.8	67.0	58.2
16	43.7	40.7	67.0	54.1
20	41.8	38.8	67.0	52.2
25	39.8	36.8	67.0	50.2
31.25	37.9	34.9	67.0	48.3
62.5	31.9	28.9	65.6	42.3
100	27.8	24.8	62.5	38.2
200	21.8	18.8	58.0	32.2
250	19.8	16.8	56.5	30.2
300	18.3	15.3	55.3	28.7
400	15.8	12.8	53.5	26.2
500	13.8	10.8	52.0	24.2
600	12.2	9.2	50.8	22.6
625	11.9	8.9	50.6	22.3
650	11.5	8.5	50.3	21.9
700	10.9	7.9	49.8	21.3
750	10.3	7.3	49.4	20.7

* Values above provided are for information only.

Cable Marking

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

