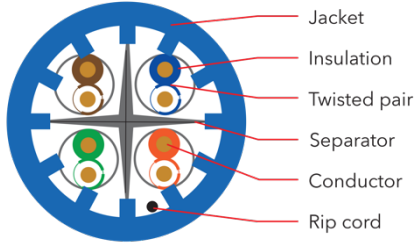


# CAT 6A UTP 10G RISER (CMR) 23/4 UNSHIELDED FT4 CABLE



### 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	HDPE
Overall Diameter	0.04 in. ± 0.0002 in
Average Thickness	0.0086 in
Jacket Material	Flame Retardant PVC
Average Wall Thickness	0.022 in.
Nominal Outer Diameter	0.3 in. ± 0.008 in.
Nominal Weight	51 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
Aging Condition	Elongation	≥ 100%
		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
<b>6A04URXX2</b>	Blue, White, Grey, Yellow, Red, Green	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	2.08	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

XXXXXXX CATEGORY 6A 10G 23AWG 4PR UTP CMR FT4 75C C(ETL)US VERIFIED (ETL) ANSI/TIA-568-C.2 \*\*\*\*FT

