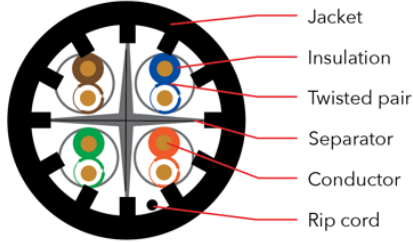


CAT 6A UTP 10G RISER (CMR) 23/4 UNSHIELDED FT4 CABLE



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
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

Part Numbers	Jacket Color	Package
6A04URXX2	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	1.90	20.00	74.30	72.30
4	3.78	23.01	65.24	63.27
10	5.95	25.00	59.30	57.30
16	7.55	25.00	56.24	54.24
20	8.47	25.00	54.78	52.78
31.25	10.67	23.64	51.88	49.88
62.5	15.38	21.54	47.36	45.36
100	19.80	20.11	44.30	42.30
200	28.98	18.00	39.78	37.78
250	32.85	17.32	38.33	36.33
400	42.96	15.89	35.20	33.20
500	48.92	15.21	33.80	31.80

Frequency (MHz)	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB) Min.	Delay (dB) Min.
1	67.80	64.80	570
4	55.76	52.76	552
10	47.80	44.80	545
16	43.72	40.72	543
20	41.78	38.78	542
31.25	37.90	34.90	540
62.5	31.88	28.80	538
100	27.80	24.80	537
200	21.78	18.78	536
250	19.84	16.84	536
400	15.90	12.90	535
500	14.02	11.02	535

* 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

