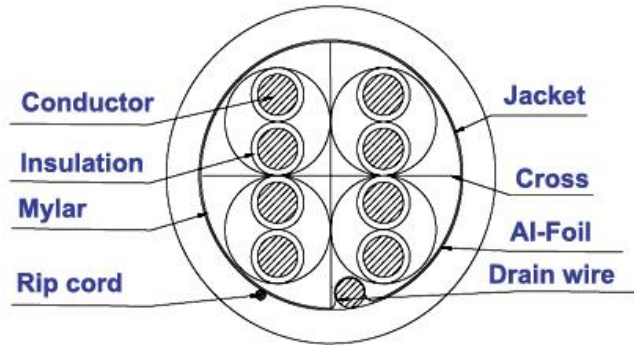


### CAT-6A STP 23 AWG CM Cable



#### Features:

- Cat-6A 4-pair STP
- Standards: ANSI/EIA/TIA 568-C.2 & ISO/IEC 11801, UL 568.C.2 - Local Area Network Cable Verified for Transmission Performance, UL ANSI 444 - Communication Cables
- Applications: 10BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T, 100VG-AnvL AN . 500 MHz Broadband

Type of Cable	STP Cat-6A	
Length per reel	1000ft	
# of Pairs	4	
Application	Indoors	
Conductor	Material	Bare Copper
	Construction	≥0.560mm
	Size	23AWG
Insulation	Material	HD-PE
	Thickness	MIN at any point: 0.24/0.28mm MAX AVG:0.26/0.30 mm
	Diameter	1.08 ± 0.01mm; 1.15 ± 0.01mm
	Colors	Blue / White-Blue
		Orange / White-Orange
		Green / White-Green
		Brown / White-Brown
Elongation	Min. 300%	
Tensile Strength	Min. 1.682Kg/mm <sup>2</sup>	

Stranding	Mylar	0.025 x 23mm
	Al Foil	0.065 x 23mm
	Drain Wire	1/0.40±0.02mm
	Cross Slot	5.0 x 0.7mm
Jacket	Material	PVC (CM)
	Thickness	Min. at any point: 0.53mm Max. Avg: 0.57mm
	Diameter	7.8 – 8.00mm
	Colors	Gray
	Aging at 100°C for 168hrs	Min. Elongation retention 50% Min. Tensile Strength retention 75%
Standards:	ANSI/TIA 568-C.2, ISO/IEC 11801; UL 444, UL 568.C.2 - Local Area Network Cable Verified for Transmission Performance, UL ANSI 444 - Communication Cables	

#### Electrical Characteristics:

1. Spark Test	2000 ± 250VOC
2. Mutual Capacitance	MAX 560pF/100m
3. Conductor Resistance	MAX 9.38 Ω/100m at 20° C
4. Capacitance Unbalance	MAX 330pF/100m
5. Resistance Unbalance	MAX 5%
6. Impedance	100 ± 15Ω

Freq.	Insertion Loss	NEXT	RL	ACR-F	PS NEXT	PS ACR-F
MHz	dB	dB	dB	dB	dB	dB
1	3.0	65.0	19.1	64.2	62.0	61.2
4	3.5	64.1	21.0	52.1	61.8	49.1
8	5.0	59.4	21.0	46.1	57.0	43.1
10	5.5	57.8	21.0	44.2	55.5	41.2

# NEWLINK

## Cabling Systems

**NEW-9807331**

16	7.0	54.6	20.0	40.1	52.2	37.1
20	7.8	53.1	19.5	38.2	50.7	35.2
25	8.8	51.5	19.0	36.2	49.1	33.2
31.25	9.8	50.0	18.5	34.3	47.5	31.3
62.5	14.0	45.1	16.0	28.3	42.7	25.3
100	18.0	41.8	14.0	24.2	39.3	21.2
200	26.1	36.9	11.0	18.2	34.3	15.2
250	29.5	35.3	10.0	16.2	32.7	13.2
350	35.6	31.8	8.6	13.3	29.1	10.3
500	43.8	26.7	8.0	10.2	23.8	7.2

### Ordering Information:

Part Number	Description
NEW-9807331	CAT-6A CM 23AWG 4-pair STP Cable 1000ft, Gray