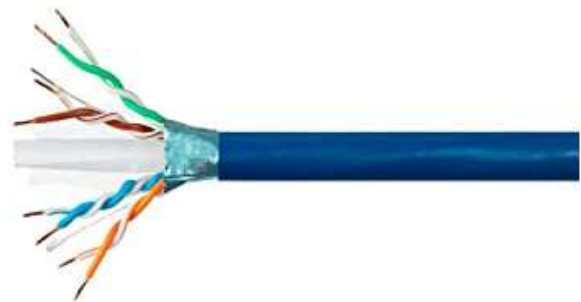# Broadstick Cat6A F/UTP 23awg Cable

Broadstick provides custom Cat6a F/UTP 23awg cable that comply ISO/IEC 11801 and exceeds the ANSI/TIA 568-C.2 CAT6A.

The Broadstick 23awg cable provides a high performance solution with 6.8mm of diameter. It gets a high quality connection for Data Centers telecom rooms, equipment distribution areas, desk, etc.

This cable allows easy movements, installations and changes in channels up to 100 meters.

The cable is provided with a cable CM jacket and it is of 100% Bare Copper. Colors can be customized. The cable is available in CAT6A and supports POE and POE+ applications.

DETAILS

- Insulation: HD-PE 0.95mm±0.02mm.
- Filler: PE Cross.
- 305 Mts/roll.

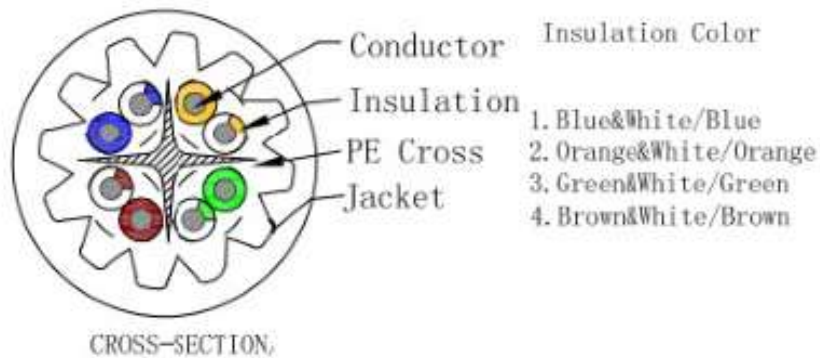| Part Number	Cord Diameter	Type	Performance	Description
BS*6AFCM	7.0 mm	F/UTP	CAT6A 500Mhz	Cat6a 23 AWG F/UTP Cable CM
BS*6AFCR	7.0 mm	F/UTP	CAT6A 500Mhz	Cat6a 23 AWG F/UTP Cable CMR

* Color. B – Blue, G-gray, etc.

All Broadstick products are tested in fabric.

Construction and Dimensions:

Conductor	**Material**	Bare Solid Copper
	Size	23 awg*4P
	Construction	1/0.577±0.008mm
Insulation	**Material**	HDPE
	Avg. Thickness	0.23mm
	Min. Thickness	0.21mm
	Diameter	0.96±0.02mm
Inner Shield	Mylar+Al foil	
Outside Shield	AL braiding 96*0.12mm	
Separate	**Material**	Polyethylene
	Construction	4.5x4.5mm
Filler	**Material**	Nylon
Jacket	**Material**	CM PVC or CMR PVC
	Avg. Thickness	0.77mm
	Min. Thickness	0.60mm
	Diameter	7.0±0.3mm
	Color	Optional
Packing	**305M/Drum**	

Drawing

Conductor
Insulation
PE Cross
Jacket

CROSS-SECTION

Insulation Color

1. Blue&White/Blue
2. Orange&White/Orange
3. Green&White/Green
4. Brown&White/Brown

Electrical properties

Solid conductor resistance	≤ 7.0Ω /100m at 20°C
Insulation Resistance	Min. 500mega ohms-km at 20°C
Dielectric Test	1000V DC/1min: no breakdown
Delay Skew	≤ 45nS
Propagation speed	NVP 69%
Frequency	500Mhz
Impedance	100Ω ± 15

Specifications:

Rating Temperature	75°C
Voltage Rating	30V
Standard	TIA/EIA-568C.2 ISO/IEC 11801
Tested	FLUKE TEST PASSED 100M
Working Distance	200M

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