



Communicate via **airnet**

Model No. 4P23AWG

Cat.6 UTP Cable

305 m (1,000 ft.), Solid



Introduction

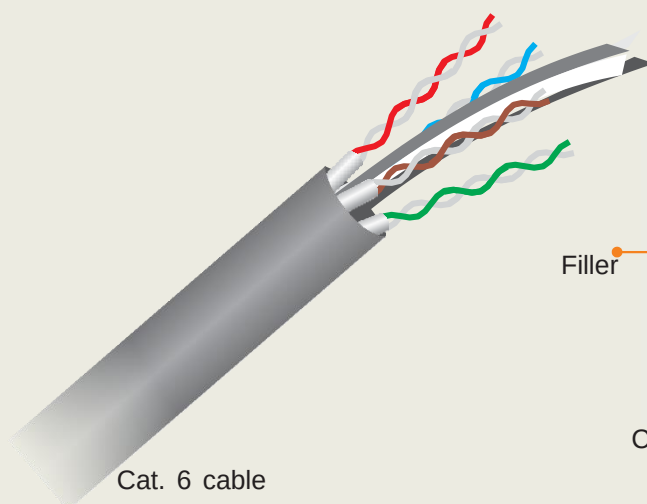
Airnet Cat.6 UTP Cable networks the infrastructure that enables high-speed transmission of data, voice and video applications - up to 250 MHz.

This Cat.6 UTP Cable meets ANSI/TIA standards, and is flame-retardant rated.

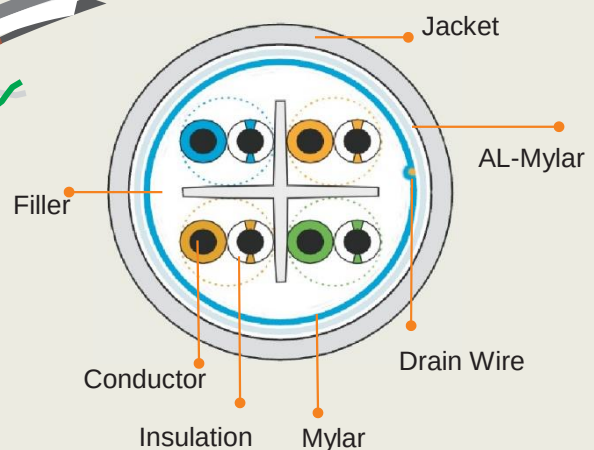
Key Features

- Standards tested: meets or exceeds current Cat.6 proposed standards
- Length usage log on box: track remaining cable available for next job
- FTP (Shielded twisted pair)
- For Data, Voice and Video
- Flame retardant rating: CM; in-wall rated; permitted in one- and two-family residential riser applications, or in riser with raceway/fireproof shaft; not permitted in plenums

Application



Cat. 6 cable



Cat.6 UTP Cable

SPECIFICATION AND PRODUCT FEATURES

Model	4P23AWG		
Category	Cat.6		
Cable Type	FTP		
Wiring Standard	ANSI/TIA-568C.2 & UL444 & ISO/IEC 11801		
Length (M)	305		
Certification	UL		
Construction			
Conductor	Size	24Awg	
	Construction	Solid Bare Copper	
	Cond. Diam.	1/0.540±0.02 mm	
Insulation	Avg. Thick.	0.26 mm	
	Min. Thick.	0.25 mm	
	Diameter	1.060 ± 0.02 mm	
	Material	Polyloefin (P O)	
	Color Codes	1. Blue × White/Blue Stripe 2. Orange × White/Orange Stripe 3. Green × White/Green Stripe 4. Brown × White/Brown Stripe	
Shielded	Pair Stranded	2 Cores Stranded	
	Filler(Slot)	Polyloefin (P O)	
	Assembly Stranded	4 Pair Stranded	
	Mylar Tape	25 × 0.025 mm	
	Drain Wire	24AWG Tinned Copper	
	Al-Mylar Tape	23 × 0.065 mm	
Jacketed	Avg. Thick.	0.45 mm	
	Min. Thick.	0.40 mm	
	Diameter	7.20 ± 0.2 mm	
	Material	FRPVC	
	Color	Gray or Other Color	
Electrical & Physical Properties			
Item	24Awg × 4P		
Rating Temp Voltage	75°C 300V		
Conductor Resistance	9.38 OHM/100M/20°C Max.		
Mutual Capacitance	56 pF/M Max.		
Dielectric Strength	AC 1.5 KV/2 Sec.		
Spark Test	2.5 KV		
Insulation	Unaged	Tensile Strength	2400 Psi Min. (1.69 Kg/M M²)
		Elongation	300% Min.
	Aged	Tensile Strength	Unaged Min. 75% (100°C x 48Hrs)
		Elongation	Unaged Min. 75% (100°C x 48Hrs)
Jacketed	Unaged	Tensile Strength	2000 Psi Min. (1.41 Kg/M M²)
		Elongation	100% Min.
	Aged	Tensile Strength	Unaged Min. 85% (100°C x 240Hrs)
		Elongation	Unaged Min. 50% (100°C x 240Hrs)
Insulation Shrinkback	150m/m, 121°C ± 1°C × 1HR ≤ 9.5m/m		
Cold Bend Test	-20°C × 4HRS No.Crack		
Flame Retardant Test	CM		
Ac Leakage Current Throught Overall Jacket	AC 1500V ≤ 10 mA		
Dc Resistance Unbalance	5% Max.		
Pair-To-Ground Capacitance Unbalance	330 pF/100m Max.		
Characteristic Impedance	1 ~ 250 MHz 100 ± 15 Ohms		
Propagation Delay	250 MHz 536.3nS/100m Max.		
Delay Skew	1 ~ 250 MHz 45nS/100m Max.		

The product specifications are subject to change without prior notice

ORDERING INFORMATION

Model	Description
4P23AWG	Cat.6 UTP Cable



Model No. 4P23AWG
Cat.6 UTP Cable

COMPANION PRODUCTS

Consider the following Airnet products as a factor in your network planning.

Ethernet and PoE
Wireless LAN
Broadband • ADSL & VDSL
Network Video Surveillance
Network / Server Appliance
Network Structured Cabling

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