

Model No. SP1103S

# Cat.6 (FTP) Bulk Cable

305 m (1,000 ft.), Solid



## Introduction

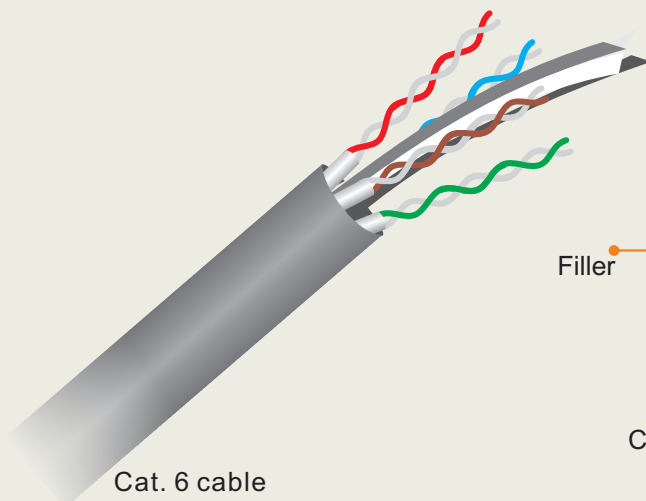
Micronet SP1103S Cat.6 Bulk Cable networks the infrastructure that enables high-speed transmission of data, voice and video applications - up to 250 MHz.

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

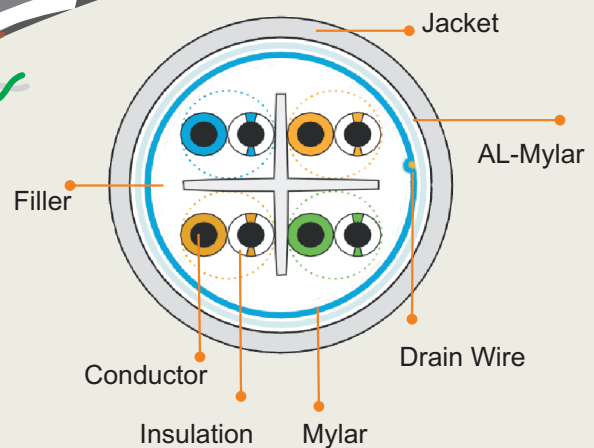
## Key Features

- 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 (FTP) Bulk Cable

### SPECIFICATION AND PRODUCT FEATURES

Model	SP1103S		
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	
Jacketed	Al-Mylar Tape	23 × 0.065 mm	
	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 M <sup>2</sup> )
		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 M <sup>2</sup> )
		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 Through 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
SP1103S-305	Cat.6 (FTP) Bulk Cable

Micronet Communications Inc.

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**Micronet®**  
Making Communication Easier



Model No. SP1103S  
Cat.6 (FTP) Bulk Cable

### COMPANION PRODUCTS

Consider the following Micronet 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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