

Model No. SP1107FM

Cat7 (S/FTP) Bulk Cable

305 m (1,000 ft.), Solid



Introduction

Micronet SP1107FM, the Cat7 S/FTP bulk cable, provides high frequency bandwidth of 750MHz and enhances the best efficiency to support 10 Gigabit Ethernet applications.

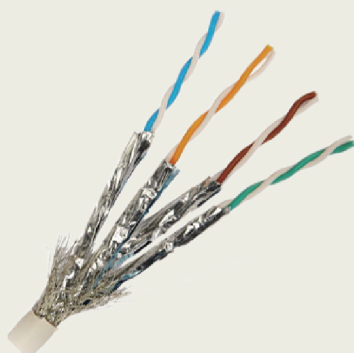
With Cat7 characteristics, Micronet SP1107FM improves to reduce the near-end crosstalk noise and high alien crosstalk noise in high frequency. Furthermore, it meets very high performance standard of ISO/IEC 11801 and IEC 61156-5.

With the very high performance specifications, Micronet SP1104BIM is your best solution choice for data, voice, and video applications.

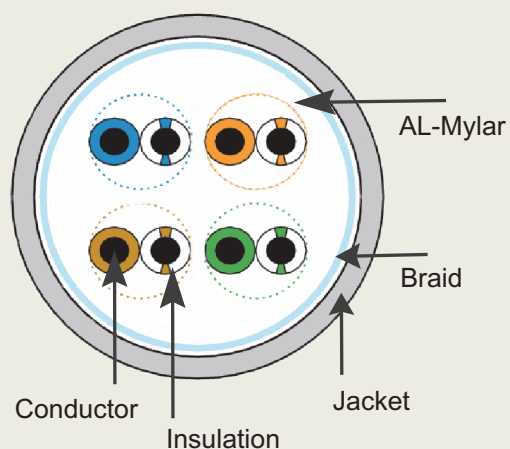
Key Features

- Provides ultimate data delivery rate with **very high frequency bandwidth up to 750MHz**
- Ideal solution for **10 Gigabit Ethernet(10G BASE-T)** applications
- Maximizes the distance of data delivery in 10G BASE-T Ethernet up to **100 meters**
- Meets requirements for **IEEE 802.3an 10 Gigabit Ethernet**
- Eliminates EMI noise efficiently with **metal shielded and braided**
- Meets **ISO/IEC 11801 and IEC 61156-5 standards**
- Round and smooth jacket without twisted strip
- **Length footage** printed on cable from 305m to 0m to track remaining cable available for the next job
- Suitable for **horizontal and building backbone cable, digital and analog for data/video/audio applications, 10G BASE-T Ethernet, CDDI/ATM/Token Ring, and PoE application**

Application



Cat7



Cat7 (S/FTP) Bulk Cable

SPECIFICATION AND PRODUCT FEATURES			
Model	SP1107FM		
Category	Cat7		
Cable Type	S/FTP		
Wiring Standard	IEC 61156-5(Ed2.1), ISO/IEC 11801(Ed2.2)		
FlameTest	UL1685(CM)		
Sweep frequency	750MHz		
Application	IEEE 802.3an 10GBASE-T and legacy speeds		
Length (M)	305		
Construction			
Conductor	Size	23Awg	
	Construction	Solid Bare Copper	
Insulation	Material	Polyolefin(PO)	
	Color Codes & Diameter	1.Blue × White	1.33 ± 0.02mm
		2.Orange × White	1.30 ± 0.02mm
		3.Green × White	1.33 ± 0.02mm
		4.Brown ×White	1.30 ± 0.02mm
Twisted	Description	Left hand direction	
Shield	Material	Al Mylar tape	
	Description	100% coverage and aluminum side facing out	
Assembly	Description	Left hand direction	
Braid	Material	Tinned copper	
	Description	>30% coverage	
Jacket	Material	Polyvinyl chloride(PVC)	
	Diameter	7.70 ± 0.2mm	
	Thickness	0.50 ± 0.05mm	
	Color	White	
Usage & Environmental Condition			
Temperature range	Storage & shipping	-20°C to 75°C	
	Installation	0°C to 60°C	
	Operation	-20°C to 60°C	
Minimum bending radius		>=4 times of overall diameter	
Maximum pulling tension		≤110N	

Electrical & Physical Properties	
Rating Temp. Voltage	75 °C 300V
Spark Test	2.5 KV DC
AC leakage current through overall jacket	≤ 10mA (1.5KV AC)
Cable Cold Bend	-20°C x 4HRS
Conductor DC Resistance	≤ 9.5 Ω/100m
Resistance Unbalance	≤ 4%
Dielectric Strength	1.5KV AC for 2 s
Insulation Resistance	5000 MΩ.m Min.
Mutual Capacitance	≤ 5.6 nF/100m
Capacitance unbalance Pair-to-ground	≤ 160 pF/100m

The product specifications are subject to change without prior notice

ORDERING INFORMATION	
Model	Description
SP1107FM	Cat7 (S/FTP)Bulk Cable

Micronet Communications Inc.
E-mail: sales@micronet.com.tw; support@micronet.com.tw WEB: www.micronet.com.tw



Cat7 (S/FTP) Bulk Cable
Model No. SP1107FM

COMPANION PRODUCTS
Consider the following Micronet products as a factor in your network planning.
Ethernet and PoE
Wireless LAN
Broadband • ADS & VDSL
Network Video Surveillance
Network / Server / Appliance
Network / Structured Cabling
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