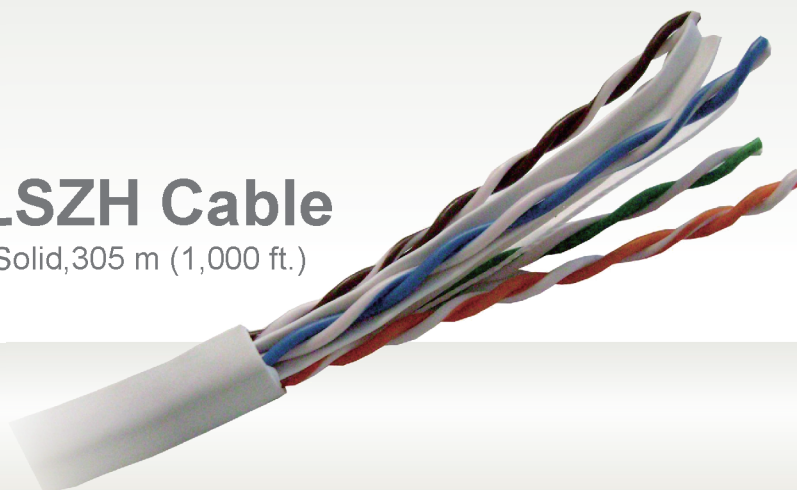


Model No. SP1106UL

Cat6A (U/UTP) LSZH Cable

Low Smoke Zero Halogen rated, Solid, 305 m (1,000 ft.)



Introduction

Micronet SP1106UL, the Cat6A U/UTP LSZH cable, provides high frequency bandwidth of 650MHz and enhances the best efficiency to support 10 Gigabit Ethernet applications. With Cat6A characteristics, Micronet SP1106UL improves to reduce the near-end crosstalk noise and high alien crosstalk noise in high frequency. Furthermore, it meets very high performance standard of ANSI/TIA-568-C.2, ISO/IEC 11801 and IEC 61156-5. In addition, LSZH (Low Smoke Zero Halogen) rated standard reduces the amount of toxic and corrosive gas emitted during combustion. It is suitable in poorly ventilated areas such as aircraft and shipboard/marine applications.

With the very high performance specifications, Micronet SP1101AIQ is your best solution choice for data, voice, and video applications.

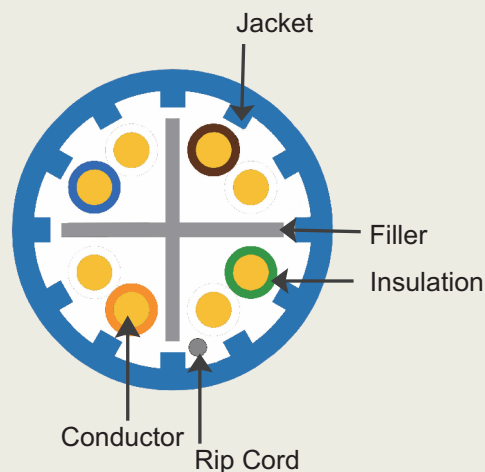
Key Features

- Provides ultimate data delivery rate with **very high frequency bandwidth up to 650MHz**
- 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**
- **LSZH(Low Smoke Zero Halogen)** rated reduces toxic, for aircraft and shipboard application
- Eliminates alien crosstalk noise efficiently with **zigzag jacket design**
- Meets **ANSI/TIA-568-C.2, 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



Cat6A



Cat6A (U/UTP) Bulk Cable

SPECIFICATION AND PRODUCT FEATURES			
Model	SP1106UL		
Category	Cat6A		
Cable Type	U/UTP, LSZH(Low Smoke Zero Halogen) rated		
Wiring Standard	IEC 61156-5(Ed2.1), ANSI/TIA-568-C.2& ISO/IEC 11801(Ed2.2)		
FlameTest	IEC 60332-1-2, IEC 61034-1/61034-2, IEC 60754-2		
Sweep frequency	650MHz		
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	1.17 ± 0.02mm
		2.Orange × White	1.12 ± 0.02mm
		3.Green × White	1.15 ± 0.02mm
		4.Brown ×White	1.10 ± 0.02mm
Twisted	Description	Left hand direction	
Filler	Material	Polyolefin(PO)	
Assembly	Description	Left hand direction	
Rip Cord	Material	Polyester multi-yarn	
Jacket	Material	Low smoke zero halogen(LSZH)	
	Diameter	8.30 ± 0.2mm	
	Thickness	1.10 ± 0.1mm	
	Color	White	

Electrical & Physical Properties	
Rating Temp. Voltage	60 °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	≤9.38 Ω/100m
Resistance Unbalance	4% Max.
Dielectric Strength	1.5KV AC for 2 s
Insulation Resistance	5000 MΩ.m Min.
Mutual Capacitance	5.6 nF/100m Max.
Capacitance unbalance	330 pF/100m Max.
Pair-to-ground	

The product specifications are subject to change without prior notice

ORDERING INFORMATION	
Model	Description
SP1106UL	Cat6A (U/UTP)Bulk Cable, LSZH

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Micronet®
Making Communication Easier



Cat6A (U/UTP) Bulk Cable
Model No. SP1106UL

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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