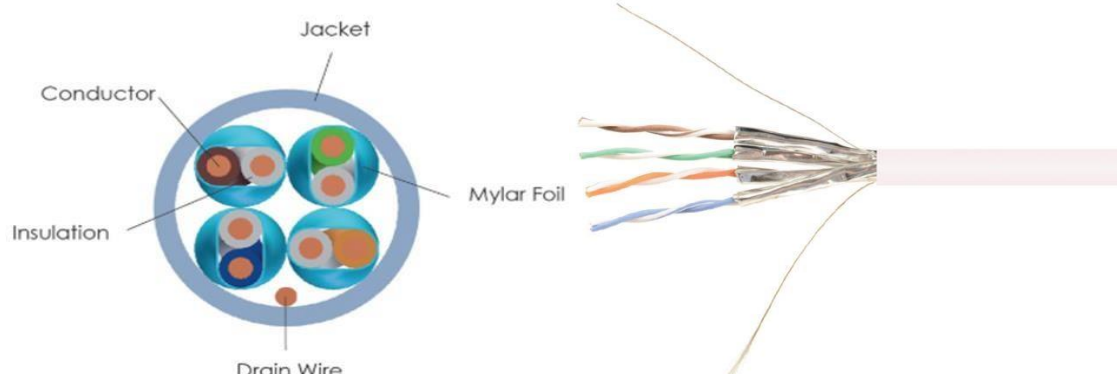


VOYGAR CAT6A U/FTP 23AWG, LSZH CABLE.



Features

- Ideal solution for 10 Gigabit Ethernet
- Individual pair shielding or special designed filler to provide EMI protection
- Provides positive PSACR beyond 500MHz for higher available bandwidth
- Every master reel is tested to ensure electrical performance compliance

Physical Specifications

Conductor:

AWG	23
Material	Copper

Insulators:

Diameter	1.03+-0.02 mm
Material	PE

Jacket:

Jacket Thickness	0.75 mm
Material	LSZH
Colour	White/Grey/Red/Blue/Orange
Shield (Tape) Material:	Polyester/Aluminium shield

Dimensions

Cable Length	305/500 m
Diameter over Jacket, maximum	7.6 mm

Electrical Specifications

ANSI/TIA Category	6A
Operating Frequency, maximum	500 MHz
Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2 ISO/IEC 11801 Class EA
DC Resistance (Ω /100m)	≤ 8.5
DC Conductor Resistance Unbalance (%)	≤ 4.0
Nominal velocity of propagation	70%
Maximum Delay Skew	$\leq 45\text{ns}/100$
Insulation resistance (DC 500V/1 min) .Min	$5000\text{M}\Omega \cdot \text{km}$

Mechanical characteristics

Minimum bend radius during installation	8x outside dia.
Minimum bend radius after installation	6x outside dia.
Installation temp.	0 to 60°C
Operating temp.	-20 to 60°C
Storage temp.	-20 to 80°C

Installation Characteristics

Maximum pulling tension:	100N
Minimum bend radius during installation:	60mm
Minimum installed bend radius:	30mm
Nominal weight:	52kg/km
Temperature rating (°C)	
Installation:	0 to +50
Operation:	-20 to +60
Storage:	-20 to +60

Applications

2.4/1.2 Gb/s ATM
 IEEE 802.3an:10G BASE-T (10 Gigabit Ethernet) supporting 100 meters
 3D imaging
 Digital Video
 Broadband and Baseband Analog Video

Standard Compliances

ISO/ IEC 11801:2011 (Ed.2.2)
 IEC 61156-5:2009 (Ed.2.0)
 EN 50173-1:2011
 EN 50173-2:2007 including amendment A1:2010
 ANSI/TIA-568-C.2:2009
 RoHS compliant
 EC Verified

Ordering information

C6A3BL51	VOYGAR CAT6A U/FTP 23AWG, LSZH CABLE 500M, White
C6A3BL59	VOYGAR CAT6A U/FTP 23AWG, LSZH CABLE 500M, Blue
C6A3BL57	VOYGAR CAT6A U/FTP 23AWG, LSZH CABLE 500M, Orange
C6A3BL54	VOYGAR CAT6A U/FTP 23AWG, LSZH CABLE 500M, Grey
C6A3BL58	VOYGAR CAT6A U/FTP 23AWG, LSZH CABLE 500M, Red
C6A3BL31	VOYGAR CAT6A U/FTP 23AWG, LSZH CABLE 305M, White
C6A3BL39	VOYGAR CAT6A U/FTP 23AWG, LSZH CABLE 305M, Blue
C6A3BL37	VOYGAR CAT6A U/FTP 23AWG, LSZH CABLE 305M, Orange
C6A3BL34	VOYGAR CAT6A U/FTP 23AWG, LSZH CABLE 305M, Grey
C6A3BL38	VOYGAR CAT6A U/FTP 23AWG, LSZH CABLE 305M, Red