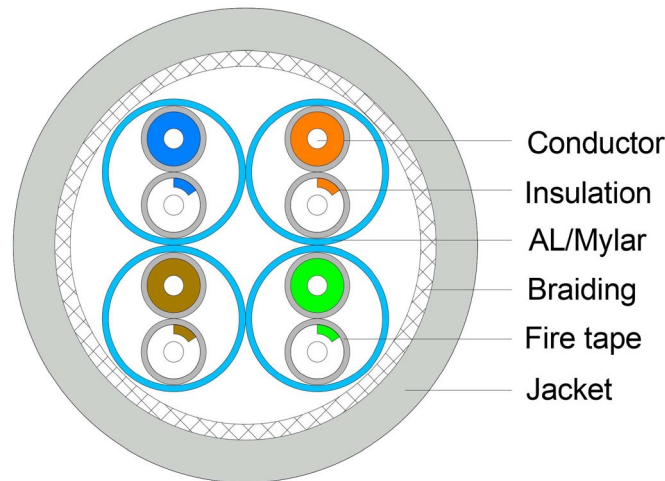


Product Overview

Giganet S/FTP LSZH-FI cable features a 23AWG solid bare copper (BC) conductor and a characteristic impedance of 100 ohms. It has HDPE insulation, fire tape, an AL/Mylar individual shield, and an overall tinned copper braid for enhanced protection. The cable is equipped with an LSZH-FI jacket, ensuring safety and compliance with flame and fire resistance standards.



Product Features and Applications

FEATURES
23AWG solid bare copper (BC) conductor for excellent conductivity.
100-ohm characteristic impedance for high-speed data transmission.
AL/Mylar foil shielding to minimize crosstalk and electromagnetic interference (EMI).
LSZH-FI jacket for flame and fire resistance, ensuring minimal smoke and no halogen release.

APPLICATIONS
Industrial Environments
Public Buildings
Transportation Systems
Emergency Systems
Data Centres

Part Number	Product Description
GN-C6A-S-FTP-LSZHFI	Giganet Category 6A Solid S/FTP, 23 AWG polyethylene insulated, solid bare copper conductors, LSZH-FI cable - 305m drum.

Product Specification

CABLE TECHNICAL SPECIFICATION				
Conductor	0.580mm solid bare copper wire			
Insulation	HDPE			
	OD: 1.30±0.10mm			
	Pair 1: White/Blue, Blue; Pair 3: White/Green, Green Pair 2: White/Orange, Orange; Pair 4: White/Brown, Brown			
Individual Screen	AL/Mylar			
Tape	Fire Tape			
Overall Screen	Tinned copper braiding, coverage≥60%			
Jacket	LSZH			
	Color : Grey (Similar to RAL7035)			
	OD: 9.50±0.50mm			
Electrical Characteristics	Conductor DC Resistance		≤70ohm/km	
	Characteristic impedance		Nom. 100ohm @100MHz	
	Dielectric Strength		DC1KV for 1min(conductor to conductor,conductor to screen)	
	Transmission performance		IEC 61156-6	
Temperature Range	Installation	-20°C to 60°C	Operation	-40°C to 80°C
Min. Bending Radius	Fixed≥8D(Cable diameter)			
Acid Gas Release Mounts	≤5mg/g (IEC 60754-1)			
Burning Occur Gas Acidity	PH≥4.3 (IEC 60754-2)			
Burning Occur Gas conductivity	< 10 μS/mm (IEC 60754-2)			
Smoke density	≥60% (IEC 61034-2)			
Flame resistance	IEC 60332-1-2			
Fire resistance	IEC 60331-23			
Compliance	RoHS			

TRANSMISSION PERFORMANCE (IEC 61156-6)							
Frequency MHz	ATT dB/100m Max.	RL dB Min.	NEXT dB Min.	PS NEXT dB Min.	ACR-F dB Min.	PS ACR-F dB Min.	Phase Delay ns/100m Max.
4.00	5.8	23.0	66.3	63.3	56.0	53.0	570.0
8.00	8.1	24.5	61.8	58.8	49.9	46.9	552.0
10.00	9.0	25.0	60.3	57.3	48.0	45.0	546.7
16.00	11.4	25.0	57.2	54.2	43.9	40.9	545.4
20.00	12.8	25.0	55.8	52.8	42.0	39.0	543.0
25.00	14.4	24.2	54.3	51.3	40.0	37.0	542.0
31.25	16.1	23.3	52.9	49.9	38.1	35.1	541.2
62.50	23.3	20.7	48.4	45.4	32.1	29.1	540.4
100.00	29.9	19.0	45.3	42.3	28.0	25.0	538.6
200.00	43.8	16.4	40.8	37.8	22.0	19.0	537.6
250.00	49.7	15.6	39.3	36.3	20.0	17.0	536.5