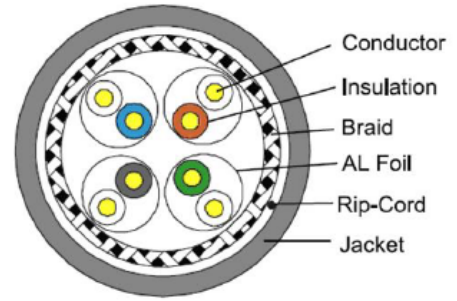


Category 6A S/FTP LSZH Cable



Construction

Category	S/FTP CAT6A - 4P	
Test Standard	ISO/IEC 11801, TIA/EIA 568C.2	
Conductor	Material	Solid Bare Copper
	Nom.O.D.	0.56±0.003mm
Insulation	Material	Skin-foam-Skin PE
	Nom.O.D.	1.35±0.05mm
Shield	Al Foil * 4P	
Braid	96x0.10TCU	
Jacket	Thickness	0.60±0.05mm
	External O.D.	8.20±0.3mm
	Material	LSZH
	Color	Purple
Rip-cord	Yes	
Drain Wire	No	

Jacket Physical Properties

Before Aging	Tensile Strength (Mpa)	≥10.0
	Elongation (%)	≥125
Aging Period(°C*hrs.)	100°C*24h*7d	
After Aging	Tensile Strength (MPa)	≥8.0
	Elongation (%)	≥100
Cold bend (-20±2°C*4h)	No visible cracks	

CAT 6A CABLE



Electrical Characteristics (20°C)

Impedance(Ω)	100±15
Delay Shew(ns/100m)	≤45
Nominal Velocity of Propagation	69%
Capacitance(nf/100m)	≤5.6
DC Resistance(Ω /100m)	≤9.5
DC Resistance Unbalance (%)	≤2.0

Technical Performance(100m)

Frequency (MHz)	RL ≥dB	ATT (20°C) ≤dB	NEXT ≥dB	PSNEXT ≥dB	ACR-F ≥dB	PS ACR-F ≥dB	PS ANEXT ≥dB	PS AACR-F ≥dB
1.0	20.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0
4.0	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2
10.0	25.0	5.9	59.3	57.3	47.8	44.8	67.0	58.2
16.0	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1
20.0	25.0	8.4	54.8	52.8	41.8	38.8	67.0	52.2
31.25	23.6	10.5	51.9	49.9	37.9	34.9	67.0	48.3
62.5	21.5	15.0	47.7	45.4	31.9	28.9	65.6	42.3
100	20.1	19.1	44.3	42.3	27.8	24.8	62.5	38.2
200	18.0	27.6	39.8	37.8	21.8	18.8	58.0	32.2
250	17.3	31.1	38.3	36.3	19.8	16.8	56.5	30.2
300	16.8	34.3	37.1	35.1	18.3	15.3	55.3	28.7
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2

Ordering Information

Part Number	Description
TL-BULKSFTPC6ALZ	Shielded Foiled Twisted Pair Category 6A Cable, 23 AWG, 305 Meters LSZH

CAT 6A CABLE