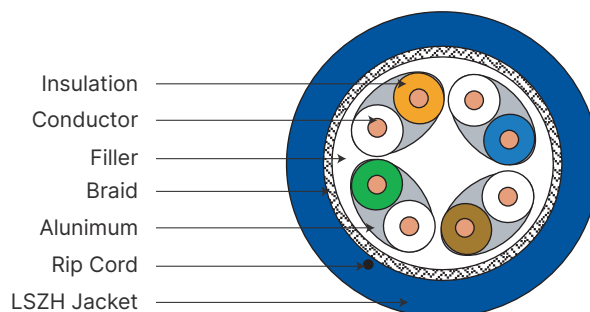


# OD6S23L

## 23AWG CAT6 S/FTP LSZH Network Cable

### Applications

- Horizontal Wiring in LAN
- IEEE 802.3: 10/100/1000 Base-T
- IEEE 802.5 16MB
- Power Over Ethernet PoE/PoE+
- IEEE 802.3af and IEEE 802.3at



### Physical Characteristics

Conductor	
Size	(23AWG*1P+AL)*4
Material	Solid Bare Copper
Conductor Diameter	AS11 / 0.57mm (± 0.012)
Sectional Area	0.25mm
Insulation	
Average Thickness	0.32mm
Minimum Thickness	0.26mm
Material	FMPE(RoHS)
Overall Diameter	1.32mm (± 0.05)
Color	
1. White Blue/Blue	2. White Orange/Orange
3. White Green/Green	4. White Brown/Brown
Assembly	
Aluminum	Each pair is wrapped with aluminum foil
Braid	TS16/4/0.10mm (±0.008)
Rip Cord	630D Rip Cord x 1pcs
Jacket	
Average Thickness	0.55mm
Minimum Thickness	0.44mm
Overall Diameter	7.5mm (±0.5)
Material	LSZH(RoHS)
Color	Blue
Electrical Capability	
1.0~250MHZ Charac. Impedance	100Ω (±15)
1.0~250MHZ Delay Skew	≤45ns/100m
Conductor Resistance	9.38Ω/100m2°C
Insulation Resistance	5000Ω/100m2°C
Dielectric Test	1000AC V/min
Mutual Capacitance	5.6nF/100m
Tensile Strength	110N
Flame Test	FT2

### Standards

- TIA/EIA 568C.2
- RoHS

### Technical Performance (100m)

Frequency (MHz)	Return Loss (≥dB)	Attenuation 20°C (≤dB)	NEXT (≥dB)
1.00	19.1	3	65.0
4.00	21.0	3.5	64.1
8.00	21.0	5.	59.4
10.00	21.0	5.5	57.8
16.00	20.0	7.0	54.6
20.00	19.5	7.9	53.1
25.00	19.5	8.9	51.5
31.25	18.5	10.0	50.0
62.25	16.0	14.4	45.1
100	14.0	18.6	41.8
200	11.0	27.4	36.9
250	10.0	31.1	35.3

Frequency (MHz)	PSNEXT (≥dB)	ELNEXT (≥dB)	PSELFEXT (≥dB)	DELAY (≤ns)
1.00	62.0	64.2	61.2	498
4.00	61.8	52.1	49.1	498
8.00	57.0	46.1	43.1	498
10.00	55.5	44.2	41.2	498
16.00	52.2	40.1	37.1	498
20.00	50.7	38.2	35.2	498
25.00	49.1	36.2	33.2	498
31.25	47.5	34.3	31.3	498
62.25	42.7	28.3	25.3	498
100	39.3	24.2	21.3	498
200	34.3	18.2	15.2	498
250	32.7	16.2	13.2	498