

# OD6AF23L

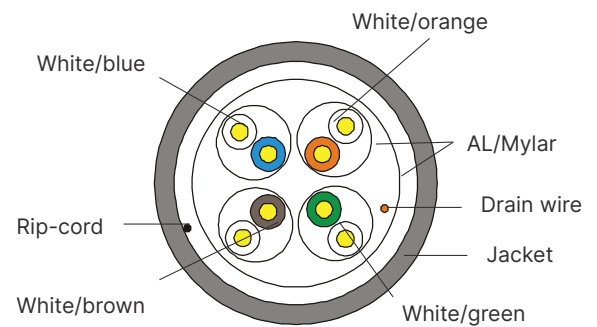
## 23AWG CAT6A F/FTP LSZH Network Cable

### 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	
Material	Solid Bare Copper
Conductor Diameter	0.560mm (±0.005)
Insulation	
Material	Skin-foam-skin PE
Overall Diameter	1.330mm (±0.05)
Screening Material	
AL/Mylar	Drain Wire: Yes
Sheath	
Thickness	0.55mm (±0.05)
External O.D.	7.5mm (±0.5)
Surface	Clean
Material	LSZH(complies RoHS)
Color	TBD
Surface Printing	
Letter height	3.0mm (±0.3)
Color	Black
Print error & Space	≤±0.5%, 1m
Color	
1. White Blue/Blue	2. White Orange/Orange
3. White Green/Green	4. White Brown/Brown
Packing	
Wooden Tray Dimension	According to the requires
Packing Length	305m (±1.5)
Rip Cord	Yes
Sheath 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) 8×Cable O.D.	No visible cracks
Electrical Characteristics (20°C)	
1.0-250.0MHz Impedance(Ω)	100±15
1.0-250.0MHz Delay Skew (ns/100m)	≤45
DC Resistance (Ω/100m) max	9.38
DC Conductor Resistance Unbalance (%) max	5.0



### Standards

- ISO/IEC11801
- TIA-568-C.2
- RoHS

### Technical Performance (100m)

Frequency (MHz)	Return Loss (≥dB)	Attenuation 20°C (≤dB)	NEXT (≥dB)	DELAY (≤ns)
1.00	20.0	-	74.3	570
4.00	23.0	3.8	65.3	552
8.00	24.5	5.3	60.8	547
10.00	25.0	5.9	59.3	545
16.00	25.0	7.5	56.2	543
20.00	25.0	8.4	54.8	542
25.00	24.3	9.4	53.3	541
31.25	23.6	10.5	51.9	540
62.25	21.5	15.0	47.7	539
100	20.1	19.1	44.3	538
200	18.0	27.6	39.8	537
250	17.3	31.1	38.3	536
300	16.8	34.3	37.1	536
400	15.9	40.1	35.3	536
500	15.2	45.3	33.8	536

Frequency (MHz)	PSNEXT (≥dB)	ELNEXT (≥dB)	PSELFEXT (≥dB)
1.00	72.3	67.8	64.8
4.00	63.3	55.8	52.8
8.00	48.8	49.7	46.7
10.00	57.3	47.8	44.8
16.00	54.2	43.7	40.7
20.00	52.8	41.8	38.8
25.00	51.3	39.8	36.8
31.25	49.9	37.9	34.9
62.25	45.4	31.9	28.9
100	42.3	27.8	24.9
200	37.8	21.8	18.8
250	36.3	19.8	16.8
300	35.1	18.3	15.3
400	33.3	15.8	12.8
500	31.8	13.8	10.8