

OD6F23

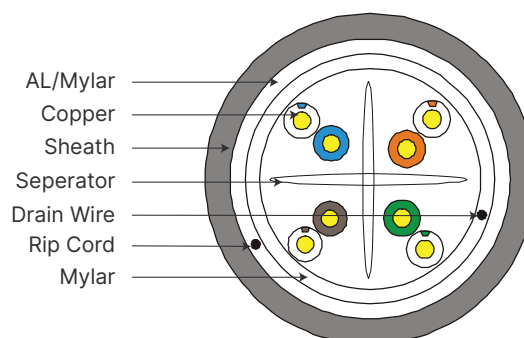
23AWG CAT6 F/UTP PVC Network Cable

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	0.565mm (± 0.012)
Insulation	
Material	PVC
Overall Diameter	1.12mm
Screening Material	Mylar+ AL/Mylar
Sheath	
Thickness	0.60mm (±0.05)
External O.D.	7.4mm (±0.5)
Surface	Clean, Frap, Satiation
Material	PVC(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; Drain wire: Yes
Sheath Physical Properties	
Before Aging Tensile Strength (Mpa)	≥13.5
Elongation (%)	≥155
Aging Period (°C×hrs)	100°C×24h×7d
After Aging Tensile Strength (Mpa)	≥12.5
Elongation (%)	≥125
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
250.0-500.0MHz Impedance(Ω)	100±22
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
- ANSI/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	570.0
4.00	23.0	2.03	65.3	552.0
8.00	24.5	3.78	60.8	546.7
10.00	25.0	5.32	59.3	545.4
16.00	25.0	5.95	56.2	543.0
20.00	25.0	7.55	54.8	542.1
25.00	24.3	8.47	53.3	541.2
31.25	23.6	9.51	51.9	540.4
62.25	21.5	10.67	47.7	538.6
100	20.1	15.38	44.3	537.6
200	18.0	19.80	39.8	536.5
250	17.3	32.85	38.3	535.3

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