

# OD6623B

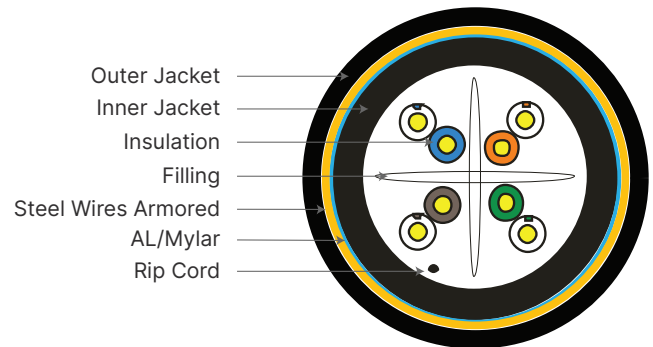
## 23AWG CAT6 F/UTP SWB Armored Outdoor PE SWB Network Cable

### 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 (± 0.005)
Insulation	
Material	HDPE
Overall Diameter	1.02mm (± 0.05)
Inner Sheath	
Material	LSZH
Thickness	8.0mm (±0.2)
Color	TBD
<b>Armored Material</b>	Steel Wire, Coverage 65%
Outer Sheath	
External O.D.	10.0mm (±1)
Thickness	1.1mm (±0.4)
Surface	Clean, Frap, Satiation
Material	LDPE(complies RoHS)
Surface Printing	
Letter height	3.0mm (±0.3)
Color	White
Print error & Space	≤±0.5%, 1m
Color	
1. White Blue/Blue	2. White Orange/Orange
3. White Green/Green	4. White Brown/Brown
<b>Packing Length</b>	305m (±1.5)
<b>Rip Cord</b>	Yes; Drain wire: Yes
Sheath Physical Properties	
Before Aging Tensile Strength (Mpa)	≥10.0
Elongation (%)	≥350
Aging Period (°C×hrs)	100°C×24h×7d
After Aging Tensile Strength (Mpa)	≥300
Elongation (%)	
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	9.5
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	19.1	3.0	65.0	ns
4.00	21.0	3.5	64.1	
8.00	21.0	5.0	59.4	
10.00	21.0	5.5	57.8	
16.00	20.0	7.0	54.6	498
20.00	19.5	7.9	53.1	
25.00	19.0	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)
1.00	62.0	64.2	61.2
4.00	61.8	52.1	49.1
8.00	57.0	46.1	43.1
10.00	55.5	44.2	41.2
16.00	52.2	40.1	37.1
20.00	50.7	38.2	35.2
25.00	49.1	36.2	33.2
31.25	47.5	34.3	31.2
62.25	42.7	28.3	25.3
100	39.3	24.2	21.2
200	34.3	18.2	15.2
250	32.7	16.2	13.2