

XL600-C23

CAT 6 Network Twisted Pair Cable (23% copper content)



- 4-pair twisted-pair construction
- Conductor sizes of 23 AWG available
- Copper-clad aluminium(CCA)
- Customized PVC outer sheath
- Rated Operating Temperature of - 20°C to +60°C
- Fluke 100 m channel test pass. (Includes under 57 V DC / 1 A PoE loading, lab-verified)

Technical Parameters

Basic

| | |
|-----------------------|---|
| Model number | XL600-C23 |
| Standards | YD/T1019-2013; ISO/IEC 11801; ANSI/TIA/EIA 568-B* |
| Wires Specs | 4 * 2 * 0.57(mm) |
| Operating Temperature | -20°C to +60°C |

Material

| Conductor | |
|-------------------|--|
| Material | Copper-clad aluminium(23% copper content) |
| Diameter | 1/0.57±0.015mm |
| Wire Gauge | 23AWG |
| Insulation | |
| Material | HDPE |
| Diameter | 1.0mm±0.05mm |
| Avg.Thickness(mm) | 0.19 |
| Min.Thickness(mm) | 0.17 |
| Color | Blue, White/Blue; Orange, White/Orange; Green, White/Green; Brown, White/Brown |
| Separator | |
| Material | PE |
| Specification | Translucent 4.3mm* 0.35mm |
| Filler | |
| Material | Nylon |
| Jacket | |
| Material | PVC |
| OD | 6.4mm±0.30mm |
| Avg.Thickness | 0.55mm |
| Min.Thickness | 0.4mm |

Electrical

| | |
|-----------------------|-------------------------------------|
| Conductor Resistance | ≤9.38Ω/100M at 20°C |
| Insulation Resistance | ≥ 5,000 MΩ·km at 20°C |
| Dielectric Strength | No Breakdown with 1000V DC for 1min |
| Delay Difference | ≤45ns |
| Frequency | Up to 250 MHz |

Mechanical

| | |
|--------------------------------|----------|
| Insulation Elongation at Break | ≥300% |
| Insulation Tensile Strength | ≥16 Mpa |
| Jacket Elongation at Break | ≥150% |
| Jacket Tensile Strength | ≥135 Mpa |

Package

| | |
|----------------|------------------|
| Packing | Pull box |
| Length | 305m |
| Rip Cord | Yes |
| Drain wire | N/A |
| Carton (L*W*H) | 395*395*235 (mm) |

Ordering Information

| Product Type | Part Number | Description |
|--------------|-------------|---------------------------------|
| CAT 6 Cable | XL600-C23 | CAT 6; 4*2*0.57, OD6.4mm±0.30mm |

*Note: CCA versions are typically not certified to these standards; use solid bare copper for compliance and PoE.

