



W90-xxM

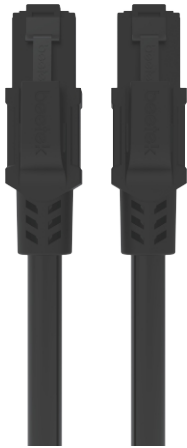
**CAT6 UTP Network Cable
(Florescent black color)**

Product number:6.02

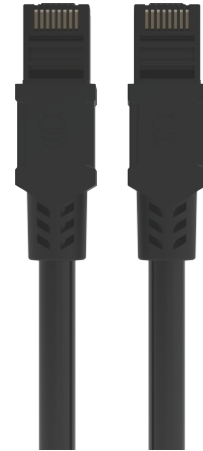
Summary

W90-xxM is a CAT6 UTP network cable designed by Beetek specifically for LED rental screen applications. The cable body is made of 8-core multi-strand 26AWG oxygen-free copper and the dual-layer jacket of composite material is soft and maintains its flexibility even at lower temperatures. The gold-plated contact pins, along with unbreakable retaining latches support repeated plugging and unplugging. The product is mainly suitable for interconnecting LED panels, and supports a variety of specifications of cabinets. It is available in 0.8 m, 1 m and 1.2 m lengths.

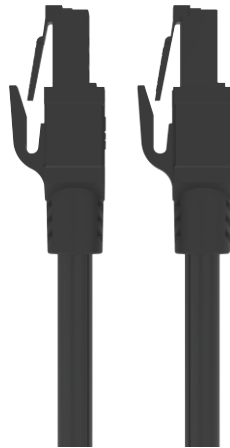
Product view



Front of cable connector



Back of cable connector

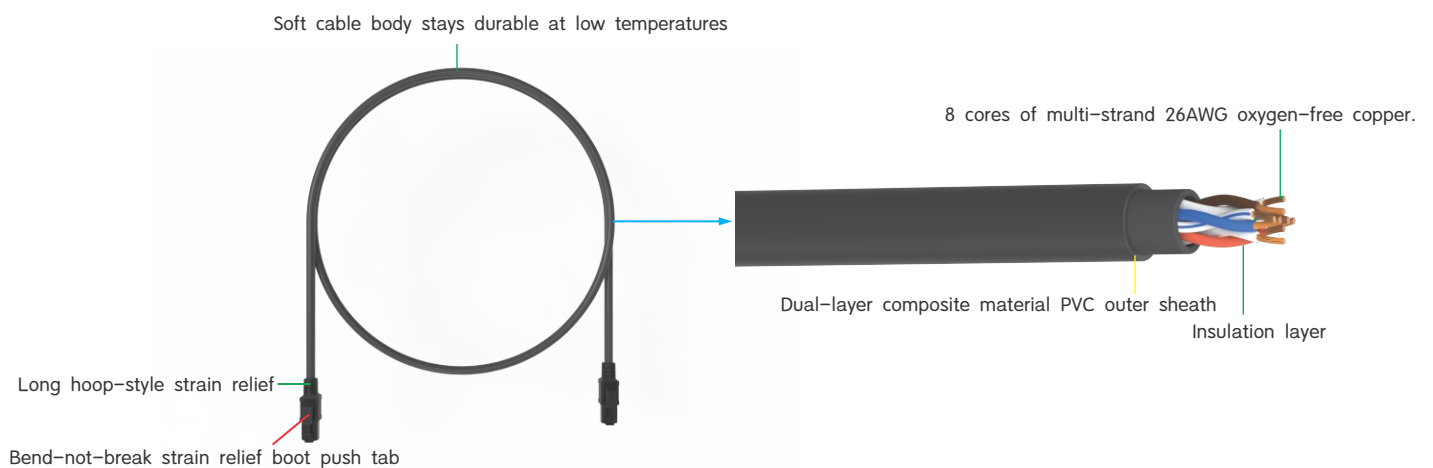


Cable connector side

Technical Characteristics

- ♦ CAT6 UTP short-length network cable designed for interconnecting LED panels.
- ♦ Ethernet to Ethernet unshielded CAT6 network cable with 8 copper cores.
- ♦ The transmission frequency is 250MHz and the transmission rate is 10Gbps.
- ♦ 8 cores of multi-strand 26AWG oxygen-free copper.
- ♦ Improved dual-layered thick outer jacket with high flexibility.
- ♦ 1 μ gold-plated crystal head pins and injection-molded shell support repeated plugging and unplugging.
- ♦ Unbreakable retaining latch design for unsurpassed service life.
- ♦ Available in 0.8M, 1M and 1.2M lengths.
- ♦ Suitable for interconnection of various LED screens.

Product Details

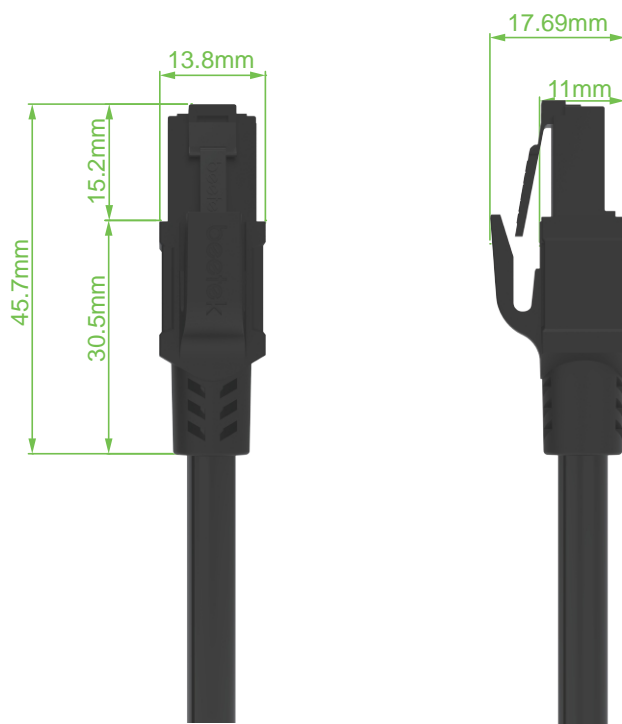


Product parameter

| Name | Parameter |
|------------------------------|--------------------------------------------------------------------------------------------------------|
| Connector Type | RJ45 UTP |
| Cable Type | CAT6 UTP |
| Environmental Information | RoHS 2.0 Compliant |
| Components | Cable +RJ45 Connector +Boot |
| RJ45 Connector | One-piece single-row crystal head (nylon) |
| Connector Color | Black |
| Gold Plate Thickness | 1U |
| Latch Tab | Unbreakable Latch Tab |
| Boot | 50P Molded PVC |
| Structure | Conductor + Insulation layer + Jacket |
| Conductor Gauge | 26AWG |
| Conductor Size | 7/0.16±0.008mm *8 |
| Conductor Material | Multiple strand oxygen free copper cable |
| Insulation Material | HDPE |
| Insulation Outer Diameter | 0.85±0.05mm |
| Insulation Average Thickness | 0.17mm |
| Insulation Minimum Thickness | 0.15mm |
| Insulation Color Code | 11P: Bule & White/Blue; 2P: Orange & White/Orange; 3P: Green & White/Green; 4P: Brown & White/Brown |
| Core Wire Direction | s |
| Core Wire Lay Length | <30mm |
| Cable Direction | s |
| Cable Lay Length | ≦120mm |
| Outer Jacket Material | Double-layer PVC |
| Jacket Outer Diameter | 6.2±0.20mm |
| Jacket Average Thickness | 1mm |
| Jacket Minimum Thickness | 0.8mm |
| Cable Color | Florescent black |
| Cable Meter Mark | Yellow water proof |
| Storage Velcro | PP type storage Velcro: 20*200mm |
| Conductor Resistance | ≤15.0Ω/100M at 20℃ |
| Insulation Resistance | Min.5000mega ohms-km at 20℃ |
| Withstand Voltage | 1000V DC/1min;No Breakdown |
| Delay Difference | ≤45ns |
| Frequency | 250Mhz |
| Impedance | 100Ω±15 |
| Testing | PASS FLUKE |
| Insulation Elongation | ≥300% |

| Name | Parameter |
|-----------------------|-----------------|
| Insulation Tensile | ≥ 16 Mpa |
| Jacket Elongation | $\geq 100\%$ |
| Jacket Tensile | ≥ 12.5 Mpa |
| Operating Temperature | $-20\sim 60$ °C |
| Operating Voltage | 30v |

Dimensional drawing



- Size 45.7*17.7*13.8mm
- Conductor Size 7/0.16 \pm 0.008mm *8
- Jacket Outer Diameter 6.2 \pm 0.20mm
- RJ45 Connector One-piece single-row crystal head (nylon)