



WS104-xxM

CAT6 UTP Network Cable (Matte black)

Product number:990507

Summary

WS104-xxM is a 4-core CAT6 UTP network cable designed by Beetek

specifically for LED rental screen applications. The thick cable body is made of 8-core 24AWG multi-strand oxygen-free copper and has a dual-layer outer jacket for supreme durability. The 50μ gold-plated contact pins, along with unbreakable retaining latches support repeated plugging and unplugging. The branches use stainless steel armored tubes resisting supremely crushing and pulling forces to ensure that they can be used repeatedly in rugged video environments. The product is mainly suitable for LED transmit-receiver card connections and connections between HDBaseT extenders.

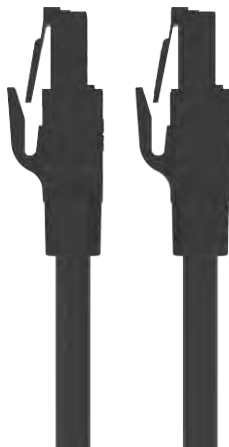
Product view



Front of cable connector



Back of cable connector

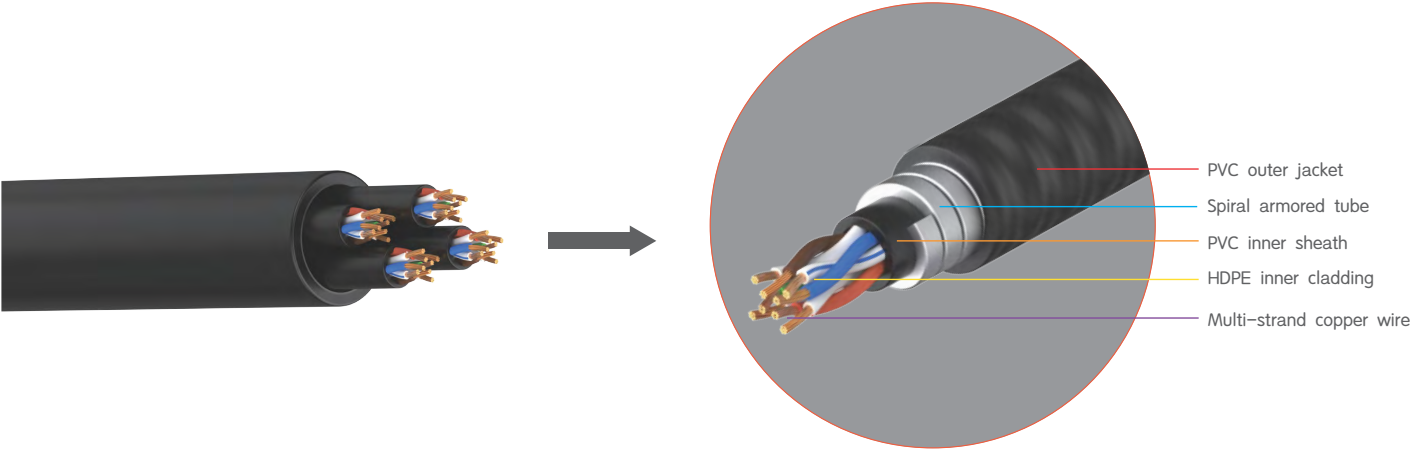


Cable connector side

Technical Characteristics

- ✦ CAT6 UTP network cable designed for LED rental panel applications.
- ✦ 4-core CAT6 cable network cable for easy storage and cabling.
- ✦ 4-core RJ45 connector unshielded CAT6 network cable with 8 copper cores.
- ✦ The transmission frequency is 250MHz and the transmission rate is 10Gbps.
- ✦ 8-cores of multi-strand 24AWG oxygen-free copper with a dual-layer thick outer jacket for supreme durability.
- ✦ 50μ gold-plated crystal head pins and injection-molded shell support more than 1,000 times of repeated plugging and unplugging.
- ✦ Unbreakable retaining latch design for unsurpassed service life.
- ✦ Available in a variety of lengths and come with sturdy Velcro straps for easy cable management.
- ✦ Suitable for connecting LED transmitter card and receiver cards, along with connections between HDBaseT extenders, and other applications.
- ✦ Can be wound on Beetek’ s DF and PCD series cable reels for easy deployment.

Diagram of Details

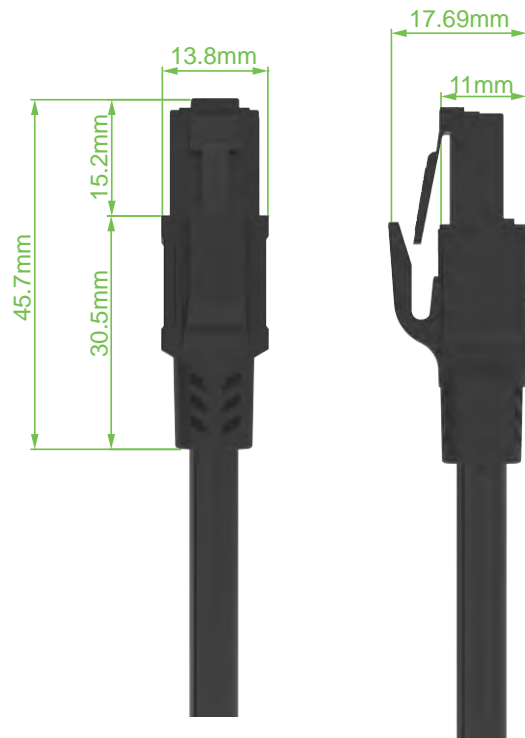


Product Parameter

| Name | Parameter |
|----------------|-----------|
| Connector Type | RJ45 UTP |

| Name | Parameter |
|------------------------------|---|
| Cable Type | CAT6 UTP |
| Environmental Information | RoHS 2.0 Compliant |
| Components | Cable + RJ45 Connector + Boot |
| RJ45 Connector | One-piece single-row crystal head (nylon) |
| Gold Plate Thickness | 50μ |
| Latch Tab | Unbreakable Latch Tab |
| Boot | 50P Molded PVC |
| Structure | Conductor + Nylon + Non-woven + PVC Jacket |
| Conductor Gauge | 24AWG |
| Conductor Size | 7/0.20±0.008mm *8 |
| Conductor Material | Multi-strand oxygen-free copper |
| Insulation Material | HDPE |
| Insulation Outer Diameter | 0.98 ± 0.05mm |
| Insulation Average Thickness | 0.16mm |
| Insulation Minimum Thickness | 0.14mm |
| Insulation Color Code | (1P: Blue & White/Blue; 2P: Orange & White/Orange; 3P: Green & White/Green; 4P: Brown & White/Brown)*4 |
| 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 | 15.5–15.8mm |
| Jacket Average Thickness | 0.8mm |
| Jacket Minimum Thickness | 0.7mm |
| Cable Color | Matte black |
| Cable Meter Mark | Yellow water proof |
| Storage Velcro | P-shaped storage Velcro |
| Custom Label | heat shrinkable tubes at each end for custom labels |
| Conductor Resistance | ≤9.42 Ω /100M at 20℃ |
| Insulation Resistance | Min.5000mega ohms-km at 20℃ |
| Withstand Voltage | 1000V DC/1min;No Breakdown |
| Delay Difference | ≤45ns |
| Frequency | 250Mhz |
| Impedance | 100 Ω ±15 |
| Testing | PASS FLUKE |
| Insulation Elongation | ≥300% |
| Insulation Tensile | ≥16 Mpa |
| Jacket Elongation | ≥100% |
| Jacket Tensile | ≥12.5 Mpa |
| Operating Temperature | -20~60℃ |
| Operating Voltage | 30V |

Dimensional drawing



- Size 45.7*17.7*13.8mm
- Conductor Size $7/0.20 \pm 0.008\text{mm} \times 8$
- Jacket Outer Diameter 15.5–15.8mm
- RJ45 Connector One-piece single-row crystal head (nylon)