W91–xxM

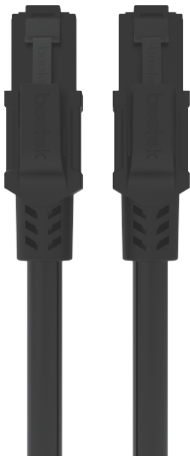## CAT6 UTP Network Cable
(Florescent black color)

Product number:6.03

Summary

W91-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 24AWG oxygen-free copper and the dual-layer jacket of composite material is soft and maintains its flexibility even at lower temperatures. The 50μ gold-plated contact pins, along with unbreakable retaining latches support repeated plugging and unplugging. The product is mainly suitable for interconnecting LED panel sender and receiver cards, and connections between HDBaseT extenders. It is available in lengths from 5 to 100 meters.
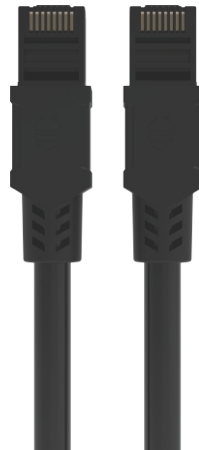
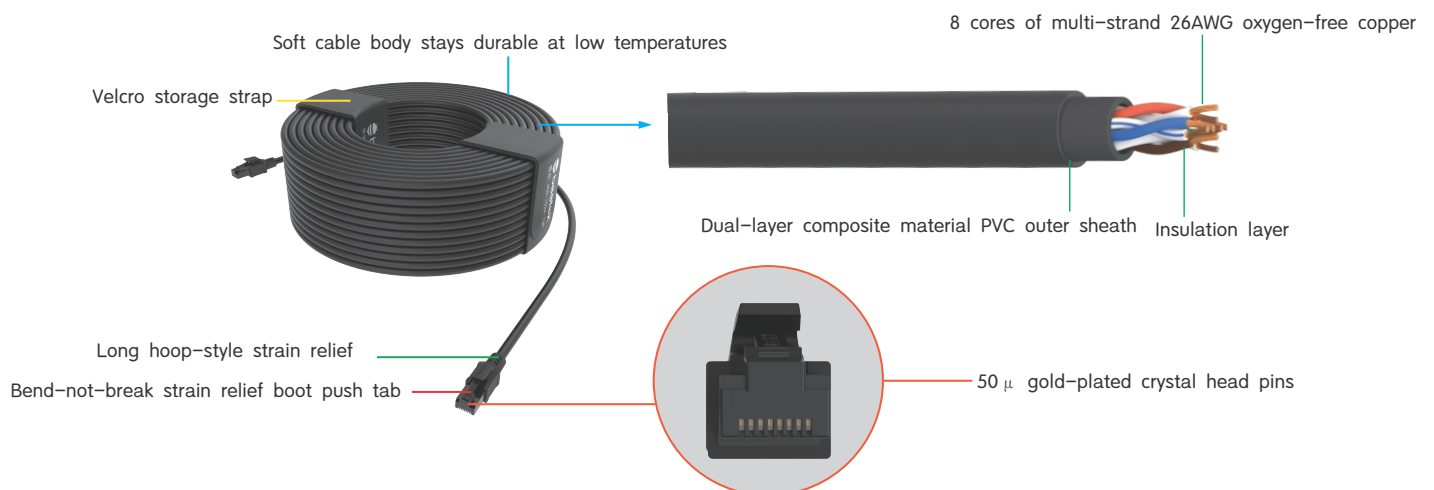# Product view

Front of cable connector
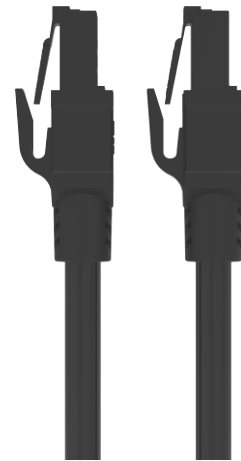
Cable connector side

Back of cable connector

Technical Characteristics

✦ CAT6 UTP network cable designed for LED rental panel applications.

✦ 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.

✦ 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 from 5 meters to 100 meters, and comes with Velcro straps for easy cable management.

✦ Longer lengths are suitable for connecting LED transmitter card and receiver cards, along with HDBaseT extenders, and other applications.

✦ 20 meter lengths and longer can be wound on Beetek's DF and PCD series cable reels for easy deployment.

Product Details

Soft cable body stays durable at low temperatures

8 cores of multi-strand 26AWG oxygen-free copper

Velcro storage strap

Dual-layer composite material PVC outer sheath   Insulation layer

Long hoop-style strain relief

Bend-not-break strain relief boot push tab

50μ gold-plated crystal head pins

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	50U
Latch Tab	Unbreakable Latch Tab
Boot	50P Molded PVC
Structure	Conductor + Insulation layer + Jacket
Conductor Gauge	24AWG
Conductor Size	7/0.20±0.008mm*8
Conductor Material	Multiple strand oxygen free copper cable
Insulation Material	HDPE
Insulation Outer Diameter	0.98±0.05mm
Insulation Average Thickness	0.16mm
Insulation Minimum Thickness	0.14mm
Insulation Color Code	1P: 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	6.5±0.20mm
Jacket Average Thickness	0.8mm
Jacket Minimum Thickness	0.7mm
Cable Color	Florescent black
Cable Meter Mark	Yellow water proof
Storage Velcro	PP type storage Velcro: 20*200mm
Custom Label	10m or longer: heat shrinkable tubes at each end for custom labels
Conductor Resistance	≤9.42Ω/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	≥100%
Jacket Tensile	≥12.5 Mpa
Operating Temperature	-20~60℃
Operating Voltage	30v

Dimensional drawing
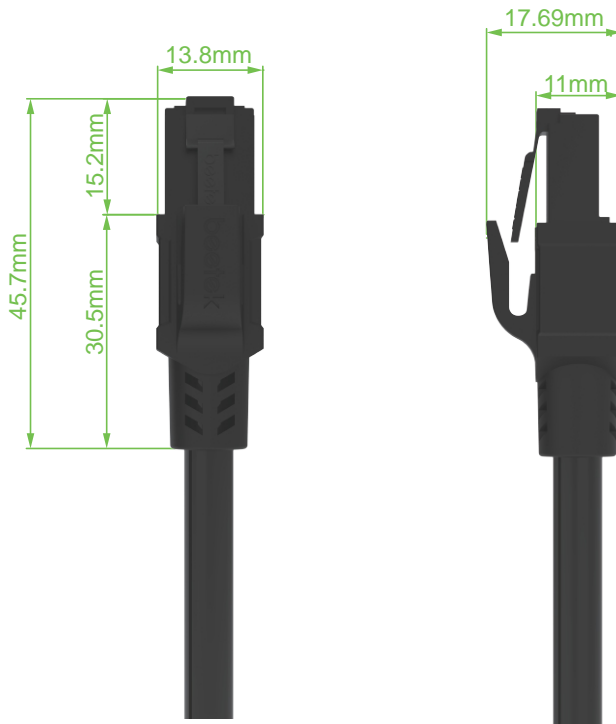
- Size   45.7*17.7*13.8mm
- Conductor Size   7/0.20±0.008mm*8
- Jacket Outer Diameter   6.5±0.20mm
- RJ45 Connector   One-piece single-row crystal head (nylon)

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