

CAT6 UTP Network Cable

Product Overview

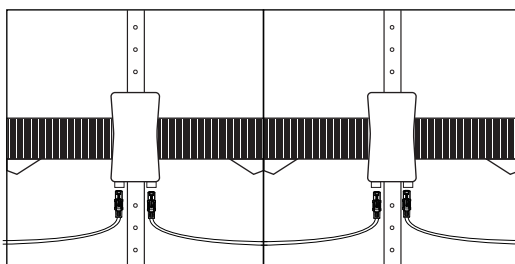
The W100 Series is a pre-terminated CAT6 UTP cable specifically designed for use in the rental and staging market. Short lengths can be used in between LED screens and the longer lengths are perfect for connecting LED sending and receiving cards. We improved the overall cable structure, resulting in even more pliability, ensuring the absolute best performance while making them a dream to work with. What didn't change is our patented PVC strain-relief boots, our bend-not-break crystal head latches, or dual-layer PVC outer cable jackets. The W100 series strikes the perfect balance of durability and flexibility.



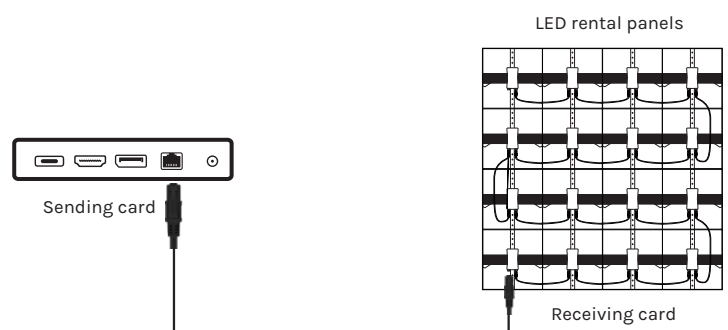
Product Features

- 24AWG multi-strand oxygen-free copper wires
- Transmission rate of at least 1000Mbps
- Improved 100P dual-layer thick outer jacket with high flexibility
- Gold-plated contact pins: 1μm-50μm(1μm for short cable; 50μm for long cable)
- Injection-molded boot supports repeated plugging and unplugging
- Bend-not-break retaining latch design for unsurpassed service life
- Available in a variety of lengths from 0.8-100 meters

Product Views



Application Scenario ①: Connection between LED panels



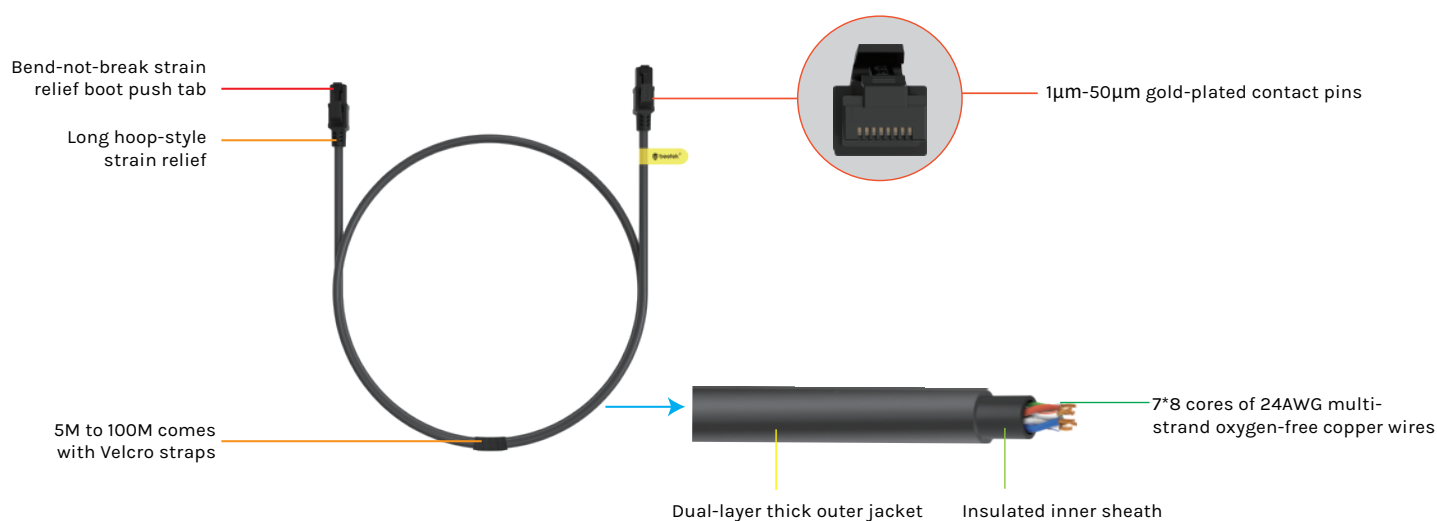
Application Scenario ②: Long-distance transmission between sending and receiving cards

Product Parameter

Name	Specification
Model	W100-xxM
Connector Type	RJ45 UTP
Cable Type	CAT6 UTP
Environmental Information	RoHS 2.0 Compliant
Connector Size	45.7*17.69*13.8mm
Connector Components	SR + RJ45 plug + Boot
RJ45 Connector	One-piece single-row modular plug (PA66)
Connector Color	Black
Gold Plate Thickness	1μm—50μm
Latch Tab Material	PA66
Boot	Injection molded boot
Structure	Conductor + Inner sheath + Outer 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	0.95-0.97MM
Insulation Average Thickness	0.17mm
Insulation Minimum Thickness	0.15mm
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
Cable Meter Mark	Waterproof text
Conductor Resistance	3 OHMS MAX

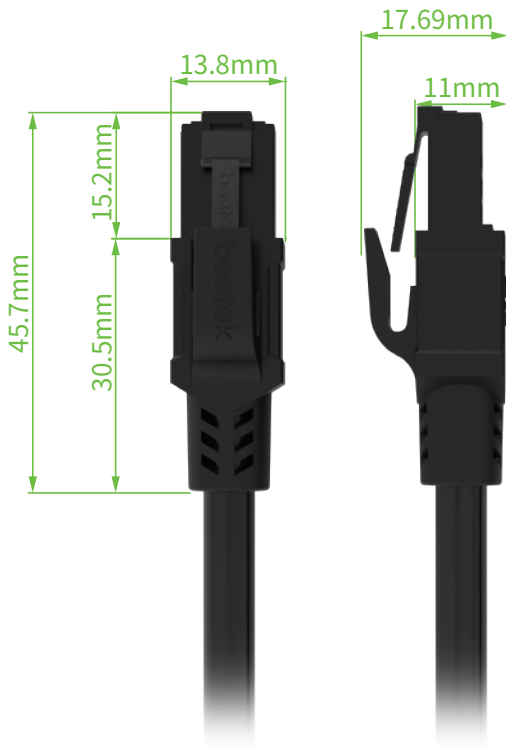
Name	Specification
Insulation Resistance	10M OHMS MIN, DC 300V 0.01sec.
Withstand Voltage	DC 300V 0.1sec.
Delay Difference	≤45ns
Frequency	250Mhz
Impedance	100Ω±15
Testing	PASS FLUKE
Insulation Elongation	≥300%
Insulation Tensile	≥16 Mpa
Jacket Outer Diameter	6.6±0.2mm
Outer Jacket Material	Composite material
Jacket Elongation	≥100%
Jacket Tensile	≥12.5 Mpa
Operating Temperature	-20~60°C
Operating Voltage	30V

Product Detail Drawing



* 1μm for 0.8M-1.2M and 50μm for 5M-100M.

Dimensional Drawing



W100-xxM

CAT6 UTP Network Cable

Product Type	W100-xxM
Connector Size	45.7*17.69*13.8mm
Conductor Size	7/0.20±0.008mm*8
Jacket Outer Diameter	6.4±0.15mm
RJ45 Connector	One-piece single-row plug (PA66)



Full catalog



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