



UN LINK

PRODUCT DATA SHEET

1. Construction Details

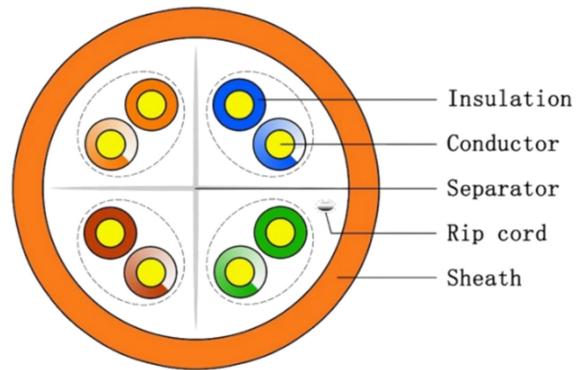
Component	Details
Conductor	Solid Bare Copper, 24 AWG (0.51mm ± 0.03mm)
Insulation	High-Density Polyethylene (HDPE)
Twisting	4 Twisted Pairs
Separator	Cross Filler (Polyolefin)
Rip Cord	Yes
Jacket	PVC or LSZH, CM / CMG Rated
Outer Diameter	5.8mm ± 0.3mm
Color	Customized Color Options

2. Electrical Characteristics

Parameter	Value
Impedance	100 ± 15 ohms
DC Resistance	Max. 9.38 ohms/100m
Capacitance	Max. 5.6 nF/100m
Propagation Delay	Max. 45 ns/100m
Delay Skew	Max. 25 ns/100m
NEXT @100 MHz	≥ 44 dB
PSNEXT @100 MHz	≥ 42 dB
Return Loss @100 MHz	≥ 20 dB

3. Standards Compliance

- Complies with ANSI/TIA-568.2-D (Category 6)
- ISO/IEC 11801 Class E Standard
- ROHS/CE Compliant
- DCA / CCA options available



4. Applications

- 10/100/1000BASE-T Ethernet
- PoE / PoE+ / PoE++
- Voice, Video, Data Transmission
- High-Speed Office & Data Center Networks



5. Packaging

Packaging Options	Details
Standard Length	305m (1000ft) (+/- 5%)
Package Type	Pull Box / Wooden Reel
Markings	Sequential meter markings