

【Product Picture】



【Product Description】

NC544-UTP is an outdoor unshielded twisted pair (UTP) Cat5e Ethernet cable designed for long-distance network deployment in exterior environments. Built with solid 0.50mm CCA conductors, this cable features a dual-layer jacket and Mylar waterproof layer for superior moisture and UV resistance, making it ideal for harsh outdoor conditions.

【Tech Specs】

Technical Specification	Description
Model	NC544-UTP
Color	Black
Cable Category	Cat5e
Cable Shielding	UTP (Unshielded Twisted Pair)
Transmission Speed	10/100/1000 Mbps (Gigabit Ethernet)
Bandwidth	Up to 100 MHz
Outer Diameter	6.2mm
Cable Length	305m
Conductors	4 pairs, 8 conductors
Conductor Material	CCA (Copper-Clad Aluminum)
Wire Gauge	0.5mm(24 AWG)
Jacket Material	Dual-layer outdoor PVC + Mylar
Compliance Standards	TIA/EIA-568-B.2, ISO/IEC 1180

【Features】

- 1. Weather Resistant:** Designed for outdoor use with UV- and moisture-resistant jacket.
 - 2. High-Performance Transmission:** Supports frequencies up to 100MHz for high-speed data.
 - 3. Easy Installation:** Flexible yet sturdy for long cable runs and conduit applications.
 - 4. Economical Choice:** CCA conductor offers cost-effective networking without compromising signal integrity in short to medium range use.

【Application Environment】

1. **Outdoor Networking:** Ideal for connecting buildings or network devices in outdoor conditions.
2. **SMB Installations:** Ideal for small- and medium-sized business LAN wiring with exterior exposure.
3. **Home Networking:** Suitable for garden offices, sheds, or outdoor Wi-Fi access point connections.
4. **Telecom Systems:** Compatible with a variety of network applications requiring Cat.5e UTP cabling.

【Important Notice】

1. **Bend Radius:** Maintain a bend radius of at least 24mm during installation to protect conductor integrity.
2. **Not Shielded:** Being UTP, additional EMI protection should be considered in high-interference areas.
3. **PoE Consideration:** While CCA supports PoE, efficiency and heating are lower than pure copper; use with caution.
4. **Direct Burial:** Not designed for direct burial unless placed in a conduit or waterproof duct.
5. **Length Limitation:** Recommended for Ethernet runs up to 100 meters; signal loss may occur beyond this.
6. **Storage Conditions:** Store in a dry, covered space to prevent moisture absorption before use.