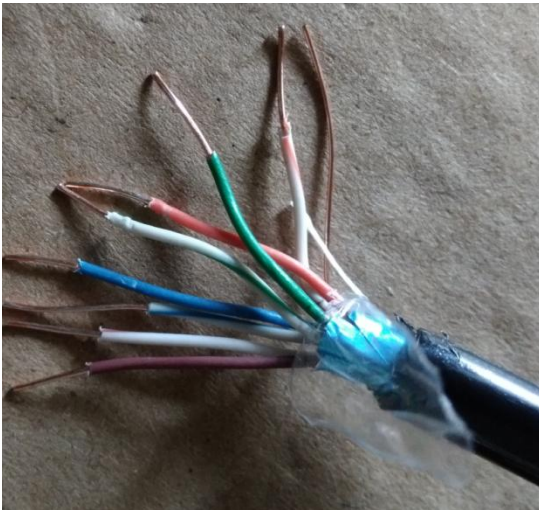


【Product Picture】



【Product Description】

Model NC544 is a Cat.5e outdoor-grade Ethernet cable designed for long-distance, external networking installations. Built with 4 twisted pairs of 0.5mm solid CCA (Copper-Clad Aluminum) conductors, this FTP cable offers enhanced protection against EMI while remaining cost-effective. The UV-resistant outer jacket and internal foil shielding make it suitable for outdoor conditions, surveillance systems, and backbone cabling between buildings.

【Tech Specs】

Technical Specification	Description
Model	NC544
Color	Black
Cable Category	Cat5e
Cable Shielding	FTP (Foiled Twisted Pair)
Transmission Speed	10/100/1000 Mbps (Gigabit Ethernet)
Outer Diameter	6.4mm
Cable Length	305m
Conductors	4 pairs, 8 conductors
Conductor Material	CCA (Copper-Clad Aluminum)
Wire Gauge	0.5mm(24 AWG)
Bandwidth	Up to 100 MHz
Jacket Material	PVC
Compliance Standards	TIA/EIA-568-B.2, ISO/IEC 1180

【Features】

- EMI Protection:** Foil shielding reduces electromagnetic interference from nearby power sources.
 - Cost-Effective:** CCA conductors offer a budget-friendly solution for standard Ethernet applications.
 - Structured Cabling:** Suitable for structured cabling systems in residential and commercial projects.
 - Reliable Transmission:** Supports Gigabit Ethernet and backward-compatible with 10/100 Mbps networks.
 - Long Runs:** Designed for 305m pull boxes, convenient for professional deployments.

【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 FTP cabling.

【Important Notice】

1. **Bend Radius:** Maintain a bend radius of at least 24mm during installation to protect conductor integrity.
2. **Shield Continuity:** Use shielded connectors and ground properly to ensure full EMI protection.
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.