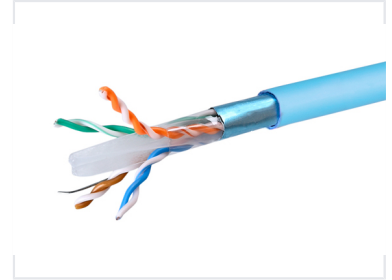


Shielded CAT6 Data Cable

This high-performance shielded CAT6 cable is designed for demanding network environments. It utilizes oxygen-free copper to ensure tensile properties, resistance performance, and supports a 250MHz bandwidth test.



Overview

High-Performance Shielded CAT6 Connectivity

This professional-grade shielded CAT6 cable is engineered for demanding network environments requiring high signal integrity and noise reduction. Featuring solid bare copper conductors and double-layer shielding, it provides robust protection against electromagnetic (EMI) and radio frequency (RFI) interference. With a low-smoke zero-halogen (LSZH) jacket, it is a reliable solution for high-speed Gigabit Ethernet applications in diverse industrial and commercial settings.

Physical Parameters

Conductor Gauge	23 AWG
Insulation Material	HDPE
Shielding Configuration	F/UTP, SF/UTP, Aluminum Foil, Tinned Copper
Sheath Material	LSZH
Working Temperature	-30 °C to 60 °C

Electrical Performance

Transmission Metrics

69 %

Transmission Speed

45 ns/100m

Delay Difference

Electrical Limits

Parameter	Limit
DC Resistance	d 9.38Ω/100m
Capacitance	d 5.0nf/100m
Unbalanced Cap to Ground	d 330pf/100m

Compliance

Reference Standards

- ISO/IEC 11801
- ANSI/TIA-568.2-D
- IEC 60332-1-2
- UL444
- UL1666
- EN 50173