

### Key Feature

- High-Speed Cat6 Performance up to 250MHz bandwidth
- 23 AWG Copper-Clad Aluminum Lightweight CCA wires
- Riser-Rated PVC Jacket (CMR) Durable PVC outer sheath
- Four insulated twisted pairs with HDPE insulation



The NexaKey NX-SL48C6 is a Category 6 (Cat6) unshielded twisted-pair (UTP) Ethernet cable designed for high-speed data and video transmission. It contains 4 twisted pairs (8 conductors) of 23AWG copper-clad aluminum (CCA) wire, which makes the cable lighter and more cost-efficient than pure copper alternatives. The cable supports bandwidths up to 250MHz and carries Gigabit Ethernet (up to 1Gbps) over distances up to 100meters. Each pair is insulated with HDPE (and a PE cross-separator), which minimizes crosstalk and interference for stable signal quality. This makes it well-suited for high-definition CCTV and IP video networks (Cat6 cable is described as "ideal for modern surveillance systems, especially IP).

Feature	Specification
Conductor Material	Copper Clad Aluminum (CCA)
Conductor Size	23 AWG
Number of Cores	4 pairs (8 conductors)
Insulation	HDPE + PE cross
Jacket Material	PVC, unspecified
Usage/Application	CCTV Video, IP Video
Weather Resistance	NO
Bandwidth	250 MHz
Data Speed	up to 100 meters
Central Cross-section	NO
Fire Rating	Standard CMR
Fluke Test	NO
Packaging	305 Metter
Field of Application	CCTV VIDEO/ IP VIDEO
Weight	8.9 KG/ 305 Meter Coil