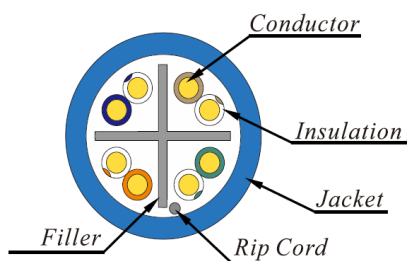


Cat6

Category 6 Ethernet cabling standard is known as Cat6. It is a twisted pair Ethernet technology. Cat6 cable is fully backwards compatible with the lower category standards of Category 5, 5e and 3. A Category 6 cable is designed for improved performance over Category 5 and has higher specifications in the areas of crosstalk and system noise than its predecessors. The Cat6 standard delivers the maximum performance of 250 MHz, compared to the Category 5 and 5e specifications of 100 MHz. Cat6 cable works with: 10BASE-T (Ethernet), 100BASE-TX (Fast Ethernet), 1000BASE-T/1000BASE-TX (Gigabit Ethernet) and 10GBASE-T (10-Gigabit Ethernet).

OSD Cat6

Sectional Drawing



- 23AWG solid bare copper – not copper coated.
- Riser Rated – Self extinguishing.
- Power over Ethernet - IEEE 802.3af (PoE) / IEEE 802.3at (PoE+)
- Data band-width - IEEE 802.3ab 1000BASE-T, 1000BASE-TX and legacy speeds
- Bending radius - < 1 inch
- Operational Temperature -20C to 60C
- Max Pulling tension 110 Newtons/25lbs
- Sweep frequency up to 550 MHz
- Rip cord allows easy stripping
- Cross-filler separated twisted pairs for enhanced data transmission
- Reelex II easy pull carton, quick kink-free pulling
- Safety/Materials/Test standards met - ANSI/TIA-568.2-D (2018), ISO/IEC 11801-1, IEC 61156-5 (Edition 2.1), Flame Test UL 1666 (CMR), Material and Construction, UL 444, CSA 22.2 NO.214, EU Directive 2011/65/EU (RoHS 2), EU Directive 2006/95/EC (LVD).