BC-CAT6a
Four-Pair U/FTP Data Bulk Cable (23AWG)

Kramer’s BC-CAT6a is a 4-pair U/FTP (unshielded around foiled twisted pair) cable designed for IT, LAN and Ethernet installations.

FEATURES

Quality Construction - 4 shielded twisted pairs (U/FTP) of 23AWG solid copper conductors are cabled together in an unshielded outer jacket
Optimized for IT/LAN/Ethernet Installations
CAT6a Certified
RJ-45 Connector - The larger diameter 23AWG twisted pair cable requires a special RJ-45 connector. Use the Kramer CON-RJ45-1
Length - Available in pull boxes of 305m (1000ft)
## TECHNICAL SPECIFICATIONS

### CONSTRUCTION
- **Conductor Size:** 23AWG bare solid copper
- **Outer Jacket Color:** White aluminum
- **Total Wires:** 8
- **Drain Wire:** Solid 23AWG tinned copper
- **Overall Shield Material:** 100% aluminum foil, 25% overlap
- **Conductor Color Code:** White/blue, white/orange, white/green, white/brown
- **Min. Bend Radius:** 35mm

### DIAMETERS
- **Outside Diameter:** 7.6mm nominal

### ELECTRICAL
- **Propagation Delay Skew:** 45ns/100m max
- **Impedance:** 100Ω
- **DC Resistance:** 48Ω/km (13.8Ω/1000ft) nominal
- **Max. Resistance Unbalanced:** 2%
- **Capacitance:** 1.2pF/m max
- **Temperature:** −20° to +70°C (−4° to 158°F)
| CONFIGURATIONS |
|-----------------|---------------------------------|
| **BC-CAT6a-305M** | 23 AWG Shielded Twisted Pair (U/FTP) Designed for IT, LAN and Ethernet Installations |