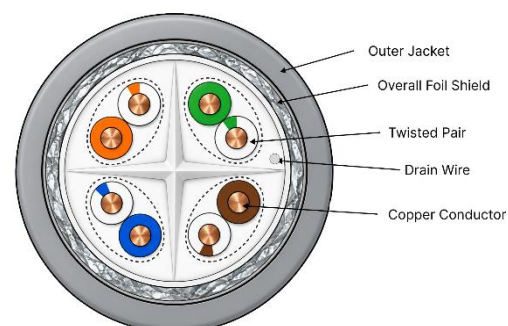
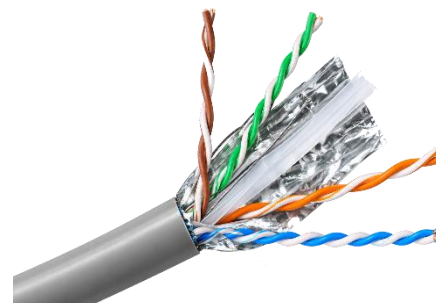


Xcell NetLink CAT6A F/UTP Network Cable

CONSTRUCTION

Cable Type	CAT6A F/UTP Enhanced Stranded Cable
Category / Bandwidth	CAT6A / 500 MHz
Conductor	Pure Copper, 23 AWG
Conductor Nominal Diameter	0.58 mm
Cable Construction	4 × 2 × 23 AWG
Number of Pairs	4 Twisted Pairs
Shielding	F/UTP - Overall Aluminum Foil Shield
Drain Wire	Yes, Tinned Copper
Cross Filler	PE Spline
Cross Filler Thickness	0.12 mm nominal
Insulation Material	PE, New Material
Insulation Colors	White/Blue, White/Orange, White/Green, White/Brown
Rip Cord	Yes
Jacket Material	PVC
Jacket Color	Grey
Drain Wire	Tinned Copper
Standards	ANSI/TIA-568.2-D Cat 6A ISO/IEC 11801 Class EA IEC 61156-5; EN 50173-1 EN 50288-10-1 (applicable requirements).



APPLICATIONS

- 10GBASE-T Ethernet
- 1000BASE-T Gigabit Ethernet
- 10/100BASE-T Ethernet
- Structured cabling systems
- Data communication networks
- High-speed LAN installations
- Network infrastructure applications
- Applications requiring transmission performance up to 500 MHz

PHYSICAL CHARACTERISTICS

Insulation Thickness	0.24 ± 0.05 mm
Insulation O.D.	0.95 ± 0.03 mm
Jacket Thickness	Approx. 0.50 ± 0.10 mm
Overall, Cable Diameter	Approx. 6.4 ± 0.2 mm
Operating Temperature	-10°C to +80°C
Minimum Bending Radius	15 × Cable O.D.
Jacket Material	PVC
Jacket Color	Grey
Rip Cord	Yes

FLUKE DSX / PERFORMANCE TEST REQUIREMENTS

Test Item	CAT6A requirement / acceptance
Wire Map	PASS
Length	≤ 100 m Permanent Link / Channel Configuration as Tested
Insertion Loss (IL)	PASS - CAT6A limit up to 500 MHz
Return Loss (RL)	PASS - CAT6A limit up to 500 MHz
NEXT / PS NEXT	PASS - CAT6A limit up to 500 MHz
ACR-N / PS ACR-N	PASS - CAT6A limit up to 500 MHz
ACR-F / PS ACR-F	PASS - CAT6A limit up to 500 MHz
Propagation Delay / Delay Skew	PASS - CAT6A limit
Resistance / Resistance Unbalance	PASS - CAT6A limit
Overall Result	FLUKE TEST: PASS - CAT6A F/UTP, up to 500 MHz