

TX6A™ Jacketed Interlock Armor Category 6A U/UTP Copper Cable

North America

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Category 6A cable shall meet the ANSI/TIA-568.2-D Category 6A and IEC 61156-5 component standards. The conductors shall be 23 AWG insulated with foam PE and HDPE. The copper conductors shall be twisted in pairs, separated by a cross divider and covered by a flame retardant (CMR) PVC jacket in an aluminum interlock armor with an overall flame retardant (CMR) PVC jacket.



TECHNICAL INFORMATION

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds ANSI/TIA-568.2-D Category 6A standards at swept frequencies up to 500MHz. Certified component performance up to 100 meters and exceeds the component requirements of the ANSI/TIA-568.2-D Category 6A standards at swept frequencies up to 500MHz.
Conductors/insulators:	23 AWG solid copper insulated with foam PE and HDPE
Insulation diameter:	0.041 in. – 0.046 in. (1.05mm – 1.19mm)
Flame rating:	EN50575: Euroclass Fca
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3 at, and IEEE 802.3bt for PoE applications
Installation tension:	110N (25 lbf) maximum
Temperature rating:	0°C to 50°C (32°F to 122°F) during installation -20°C to 75°C (-4°F to 167°F) during operation
Cable and outer jacket:	Riser (CMR) flame retardant PVC
Cable diameter:	0.283in. (7.2 mm)
Outer jacket diameter:	0.539 in. (13.7 mm)
Cable weight:	85 kg/305m (187 lbs./1000 ft.)
Packaging:	1000 ft. (305m) reel Package tested to ISTA procedure 1A

KEY FEATURES AND BENEFITS

Easy payout reel:	Ensures proper performance and provides quick installation
Descending length cable markings:	Print legend contains markings from 1000 ft. to 0 ft. (305m to 0m)
Robust design:	Jacketed aluminum interlock armor protects against mechanical stresses and EMI/RFI. Offers additional fire protection. Installs faster and easier than EMT conduit and conventional wire.
Tested beyond the Standards:	Cable has been characterized to 650MHz, 150MHz beyond the Standard

APPLICATIONS

TX6A U/UTP Copper Cable is a TX6A U/UTP Copper Cabling System component. This end-to-end system provides 10 Gigabit Ethernet performance with usable bandwidth beyond 500MHz. With certified performance to the ANSI/TIA-568.2-D Category 6A and ISO 11801 class E standards, this system will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)

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Riser: PURCA6X04**-CG

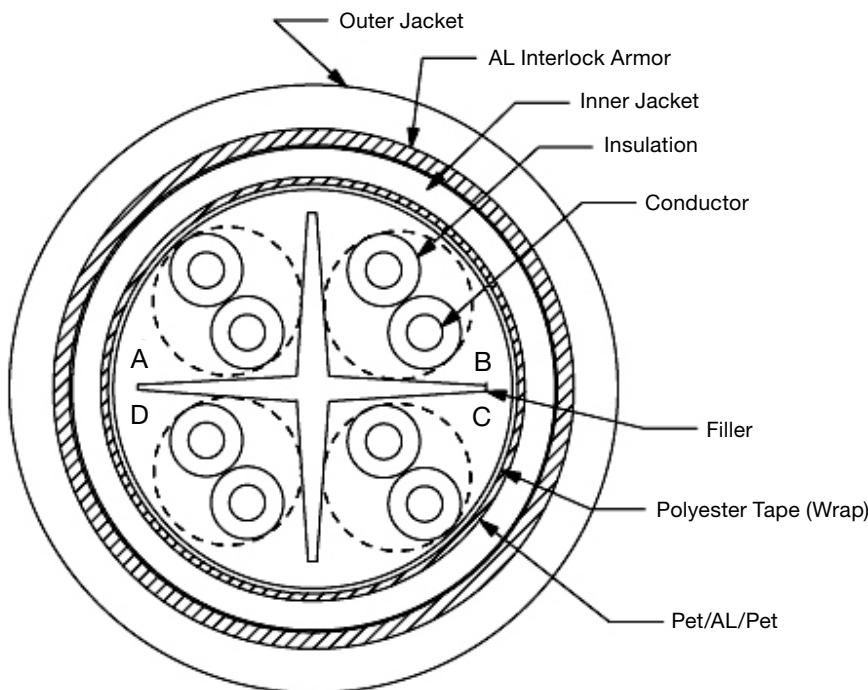
**Color: BU (Blue)
For additional cable colors, contact customer service

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ADDITIONAL SPECIFICATIONS

Mechanical Testing	
Ultimate Breaking Strength:	> 400 N (90 lbf)
Minimum Bend Radius:	8 x cable diameter
Engineering Testing	
Nominal Velocity of Propagation (NVP):	67% nominal
Operating Voltage, maximum:	80 V

ENGINEERING DRAWINGS



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