

TX5e™ Category 5e U/UTP Copper Cable

PANDUIT®

SPECIFICATION SHEET

specifications

Category 5e cable shall meet ANSI/TIA-568-C.2 and IEC 61156-5 Category 5e component standards. The conductors shall be 24 AWG construction with FEP/polyolefin (CMP) or polyolefin (CMR) insulation. The copper conductors shall be twisted in pairs and covered by a low smoke, flame-retardant (CMP) PVC or a flame-retardant (CMR) PVC jacket.



technical information

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and meets ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D standards at swept frequencies up to 100 MHz Certified component performance up to 100 meters and meets the component requirements of ANSI/TIA-568-C.2 and IEC 61156-5 Category 5e component standards at swept frequencies up to 100 MHz
Conductors/insulators:	Plenum: 24 AWG bare copper wire covered by FEP/polyolefin insulation Riser: 24 AWG bare copper wire covered by polyolefin insulation
Flame rating:	Plenum: NFPA 262 and CSA FT-6 Riser: UL1666 and CSA FT-4
PoE compliance:	Meets IEEE 802.3af and IEEE 802.3at for PoE applications
Installation tension:	25 lbf (110 N) maximum
Temperature rating:	32°F to 122°F (0°C to 50°C) during installation -4°F to 167°F (-20°C to 75°C) during operation
Cable jacket:	Plenum – low smoke, flame-retardant PVC Riser – flame-retardant PVC
Cable diameter:	0.189 in (4.8mm) nominal
Cable weight:	18.5 lbs./1000 ft. (8.4 kg/305m)
Packaging:	1000 ft. (305m) in an easy payout carton Package tested to ISTA Procedure 1A

key features and benefits

Third party tested	Cable has been tested as part of the Category 5e UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the following standards: ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D
Descending length cable markings	Easy identification of remaining cable reduces installation time and cable scrap
Tested beyond the standards	Cable has been characterized to 350 MHz, 250 MHz above the standard
Easy payout carton	Ensures proper performance and provides quick installation

applications

The Panduit Category 5e Cabling System provides Gigabit Ethernet performance with usable bandwidth beyond 100 MHz. With certified performance to the ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D standards, this system will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM
- Token ring 4/16

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Plenum: PUP5C04*-F

Riser: PUR5C04*-F

Cable Prep Tools

Wire snipping tool: CWST

Wire stripping tool: CJUST

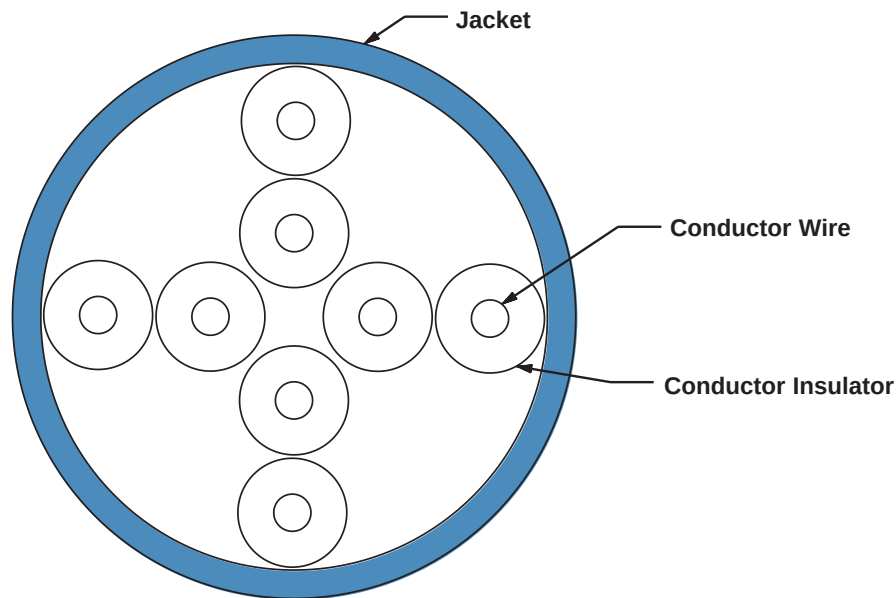
*For standard cable colors, add suffix BU (Blue) or WH (White). For additional cable colors, contact customer service.

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additional specifications

Mechanical Test	
<i>Ultimate Breaking Strength</i>	>90 lbf (400 N)
<i>Minimum Bend Radius</i>	4 x cable diameter
Electrical Test	
<i>Nominal Velocity of Propagation (NVP)</i>	Riser – 67%, Plenum – 68%
<i>Operating Voltage, Maximum</i>	80V

cable construction



WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

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COSP359--WW-ENG
Replaces WW-COSP202
2/2016