



Copper Cable, category 7, 4 pair duplex, F/FTP, LSZH, PiMF600, 23 AWG solid, 500 m, white

Product Classification

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|------------------------------|------------------------------|
| Regional Availability | Australia/New Zealand EMEA |
| Portfolio | NETCONNECT® |
| Product Type | Twisted pair cable |

General Specifications

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|--------------------------------|--|
| ANSI/TIA Category | 7 |
| Cable Component Type | Horizontal |
| Cable Type | F/FTP (shielded) |
| Conductor Type, singles | Solid |
| Conductors, quantity | 16 |
| Jacket Color | White |
| Pairs, quantity | 8 |
| Transmission Standards | CENELEC EN 50288-4-1 IEC 61156-5 Cat 7 ISO/IEC 11801 Class F |

Dimensions

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|--------------------------------------|----------------------|
| Cable Length | 500 m 1,640.42 ft |
| Diameter Over Jacket, nominal | 15.011 mm 0.591 in |
| Conductor Gauge, singles | 23 AWG |

Electrical Specifications

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| Characteristic Impedance | 100 ohm |
| Characteristic Impedance Tolerance | ±15 ohm |
| Coupling Attenuation | Type Ib |
| Nominal Velocity of Propagation (NVP) | 78 % |
| Operating Frequency, maximum | 600 MHz |
| Operating Voltage, maximum | 80 V |

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| Segregation Class | d |
| Transfer Impedance | Grade 2 |

Material Specifications

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|-------------------------------|-------------------------------|
| Conductor Material | Bare copper |
| Insulation Material | Polyolefin |
| Jacket Material | Low Smoke Zero Halogen (LSZH) |
| Shield (Tape) Material | Aluminum/Polyester |

Mechanical Specifications

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| Minimum Bend Radius, multiple Bends | 60 mm 2.362 in |
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Environmental Specifications

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|---|-------------------------------------|
| Installation temperature | 0 °C to +50 °C (+32 °F to +122 °F) |
| Operating Temperature | -20 °C to +60 °C (-4 °F to +140 °F) |
| EN50575 CPR Cable EuroClass Fire Performance | Dca |
| EN50575 CPR Cable EuroClass Smoke Rating | s2 |
| EN50575 CPR Cable EuroClass Droplets Rating | d2 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |

Packaging and Weights

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|-----------------------|------------------------------|
| Cable weight | 103.993 kg/km 69.88 lb/kft |
| Packaging Type | Reel |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CENELEC | EN 50575 compliant, Declaration of Performance (DoP) available |
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |

