



Product: [E502001](#)

Cord Sets, DataTuff® Cat 5e IP67 RJ45 Cord Set, 1m

[Request Sample](#)

Product Description

One meter, Cat 5e IP67 RJ45 cord set, unshielded with stranded conductors (Belden cable 7924A)

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | wash down, harsh environment, IIoT, factory or process automation, IP cameras and devices, data communication, etc. |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material |
|-----|-----------|--------------------|
| 24 | 7x32 | TC - Tinned Copper |

| | |
|------------------------|---|
| Total Number of Pairs: | 4 |
|------------------------|---|

Insulation

| Material |
|-----------------|
| PO - Polyolefin |

Outer Shield

| Material |
|-----------|
| No Shield |

Outer Jacket

| Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

| | |
|---------------------------|---|
| Overall Nominal Diameter: | 0.242 in. |
| Wiring Scheme: | T568A/B-T568A/B |
| Packaging: | Individually packaged in a clear plastic bag. |
| Weight: | .251 lbs |

Connectors

Materials

| Description | Material | Color | Type |
|------------------|---|-------|------|
| Plug | Polycarbonate | Black | RJ45 |
| Boot | UL94V-0 flame retardant | | |
| Front Connection | Blades Phosphor Bronze with 50u inch Gold over Nickel Plating | | |

Electrical Characteristics

| | |
|-------------------------|----------------------------------|
| Dielectric Strength: | 1,000 V RMS @ 60 Hz for 1 minute |
| Current Rating: | 1.500 A |
| Insulation Resistance: | 500 M-Ohm Minimum |
| Max Contact Resistance: | 20 mOhm |

Voltage

| |
|--------------------------|
| UL Voltage Rating |
| 300 V RMS |

Temperature Range

| | |
|--------------------------|----------------|
| Installation Temp Range: | -10°C To +60°C |
| Storage Temp Range: | -40°C To +70°C |
| Operating Temp Range: | -10°C To +60°C |

Mechanical Characteristics

| | |
|----------------------------------|------------|
| Max. Pull Tension: | 11.250 lbs |
| Min Bend Radius (Overall Cable): | 2.500 in. |

Termination Interface

| Connection | Durabilities |
|------------------|--------------|
| Mated Connection | 750 Cycles |

Standards

| | |
|---------------------|--|
| UL Rating: | Riser |
| CSA Rating: | FT4 |
| TIA/EIA Compliance: | Category 5E - TIA 568-C.2, Class D - ISO/IEC 11801:2002 Ed.2 Amendment 2 |
| Other Standards: | FCC Part 68, Subpart F, IEC 60603-7, Cable Rating NEC: CMR, CMX-Outdoor. CEC: CMR FT4. MSHA. |

Applicable Environmental and Other Programs

| | |
|---------------------------------|--------|
| Environmental Space: | Indoor |
| EU Directive 2002/95/EC (RoHS): | Yes |
| MII Order #39 (China RoHS): | EUP 50 |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|----------------|
| UL voltage rating: | 300 V RMS |
| Safety Listing: | c(UL)us Listed |

Product Notes

| | |
|-----------|---|
| Notes: | US Patent #'s 5, 606, 151; 5, 734, 126. EtherNet/IP is a trademark of ControlNet International, Ltd. under license by Open DeviceNet Vendor Association, Inc., IEC 61076-3-106, IEC 60603-7 |
| Labeling: | Belden Part Number, Performance Acronym, Wiring Scheme and Cord Length. |

History

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| Update and Revision: | Revision Number: 0.100 Revision Date: 12-15-2021 |
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