



Product: [E500005](#)

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

[Request Sample](#)

Product Description

Five meters, Cat 5e IP67 RJ45 cord set, unshielded with solid conductors (Belden cable 7923A)

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 | Solid | BC - Bare Copper |

| | |
|------------------------|--------|
| Conductor Size: | 24 AWG |
| Total Number of Pairs: | 4 |

Insulation

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

Outer Shield

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

Outer Jacket

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

| | |
|---------------------------|---|
| Overall Nominal Diameter: | 0.23 in. |
| Wiring Scheme: | T568A/B-T568A/B |
| Packaging: | Individually packaged in a clear plastic bag. |
| Weight: | .806 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 Temperature Range: -10°C To +60°C

Storage Temperature Range: -40°C To +70°C

Operating Temperature 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

NEC/(UL) Compliance: CMR, CMX-Outdoor

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

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

Update and Revision: Revision Number: 0.103 Revision Date: 09-05-2023

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