



**Product:** [E500 Cordsets](#) 

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

## Product Description

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 |

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Overall Nominal Diameter: | 0.23 in.                                      |
| Wiring Scheme:            | T568A/B-T568A/B                               |
| Packaging:                | Individually packaged in a clear plastic bag. |

### 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                          |

### 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

|                                  |           |
|----------------------------------|-----------|
| 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:     | Subpart F, IEC 60603-7, FCC Part 68                                      |

Applicable Environmental and Other Programs

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

Flammability, LS0H, Toxicity Testing

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

Related Part Numbers

Variants

| Item #        | Color |
|---------------|-------|
| E500001 010S1 | Black |
| E500002 010S1 | Black |
| E500003 010S1 | Black |
| E500005 010S1 | Black |
| E500025 010S1 | Black |

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 60603-7 |
| Labeling: | Belden Part Number, Performance Acronym, Wiring Scheme and Cord Length.                                                                                                      |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.190 Revision Date: 07-13-2026 |
|----------------------|--------------------------------------------------|

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