



**Product:** [E504005](#)

Cord Sets, DataTuff® Cat 5e 600V AWM IP67 RJ45 Cord Set, 5m

[Request Sample](#)

### Product Description

Five meters, Cat 5e 600V AWM IP67 RJ45 cord set, shielded with solid conductors (Belden cable 7958A)

### Technical Specifications

#### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | noisy environment, 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                |
|-------------------------|
| Bi-Laminate (Alum+Poly) |

##### Outer Jacket

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

|                           |   |
|---------------------------|---|
| Overall Nominal Diameter: | 0.265 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

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 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, LS0H, 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: 0.96 Revision Date: 09-05-2023 |
|----------------------|---|

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