



Product: [E506003](#)

Cord Sets, DataTuff® Cat 5e IP67 RJ45 Cord Set, 3m

Request Sample

Product Description

Three meter, Cat 5e IP67 RJ45 cord set, shielded with stranded conductors (Belden cable 7939A)

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  | 7x32      | TC - Tinned Copper |

Total Number of Pairs:4

Insulation

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

Outer Shield Material

| Material    |
|-------------|
| Alum / Poly |

Outer Jacket Material

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

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Overall Nominal Diameter: | 0.295 in.                                     |
| Wiring Scheme:            | T568A/B-T568A/B                               |
| Packaging:                | Individually packaged in a clear plastic bag. |
| Weight:                   | .610 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 Recommended Pulling 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                                                                                          |
| Telecommunications Standards: | 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        |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2006-01-01 |
| 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: 0.83 Revision Date: 04-28-2020 |
|----------------------|-------------------------------------------------|

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