

**Part Number: E505001**



**Cord Sets, DataTuff® Cat 5e 600V AWM IP20 RJ45 Cord Set, 1m**

[Request Sample](#)

**Product Description**

One meter, Cat 5e 600V AWM IP20 RJ45 cord set, shielded with solid conductors (Belden cable 7958A)

**Technical Specifications**

**Product Overview**

|                        |  |
|------------------------|--|
| Environmental Space:   | Indoor   |
| Suitable Applications: | Industrial ethernet, harsh environments, TIA Category 5E, ISO Class D, 1000BASE-T, 100BASE-T |

**Physical Characteristics (Overall)**

**Conductor**

| AWG                    | Stranding | Material         |
|------------------------|-----------|------------------|
| 24                     | Solid     | BC - Bare Copper |
| Total Number of Pairs: |           | 4                |
| Conductor Size:        |           | 24 AWG           |

**Insulation**

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

**Outer Shield Material**

| Material           |
|--------------------|
| Aluminum/Polyester |

**Outer Jacket Material**

| 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:                   | .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**

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 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

|                                       |            |
|---------------------------------------|------------|
| 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, LS0H, Toxicity Testing

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

## Notes

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

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