



Product: [E503003](#)

Cord Sets, DataTuff® Cat 5e IP20 RJ45 Cord Set, 3m

[Request Sample](#)

Product Description

Three meters, Cat 5e IP20 RJ45 cord set, unshielded with stranded conductors (Belden cable 7924A)

Technical Specifications

Product Overview

|                        |                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------|
| Suitable Applications: | 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

No Shield

Outer Jacket Material

Material

PVC - Polyvinyl Chloride

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Overall Nominal Diameter: | 0.242 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 60603-7 |
| Labeling: | Belden Part Number, Performance Acronym, Wiring Scheme and Cord Length.                                                                                                      |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.79 Revision Date: 04-28-2020 |
|----------------------|-------------------------------------------------|

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