



Product: [E503001](#)

Cord Sets, DataTuff® Cat 5e IP20 RJ45 Cord Set, 1m

[Request Sample](#)

Product Description

One meter, 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.
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material
24	7x32	TC - Tinned Copper

Conductor Size:	24 AWG
Total Number of Pairs:	4

Insulation

Material
PO - Polyolefin

Outer Shield

Material
No Shield

Outer Jacket

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:	.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

UL Voltage Rating

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 60603-7

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

History

Update and Revision: Revision Number: 0.97 Revision Date: 09-05-2023

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