



Part Number: E505001

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

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
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Insulation

Material
PO - Polyolefin

Outer Shield Material

Material
Aluminum Foil-Polyester Tape

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
Plug	Polycarbonate
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
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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

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

Safety Listing:	c(UL)us Listed
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Part Number

Variants

Item #	Color
E505001 010S1	BLACK

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.

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