



Product: [E506 Cordsets](#) 

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

Product Description

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.
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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
Bi-Laminate (Alum+Poly)

Overall Nominal Diameter:	0.295 in.
Wiring Scheme:	T568A/B-T568A/B
Packaging:	Individually packaged in a clear plastic bag.

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

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

Min Bend Radius (Overall Cable):	2.500 in.
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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, LSOH, Toxicity Testing

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

Related Part Numbers

Variants

Item #	Color
E506001 010S1	Black
E506002 010S1	Black
E506003 010S1	Black
E506005 010S1	Black
E506025 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.

History

Update and Revision:	Revision Number: 0.191 Revision Date: 07-13-2026
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