

Product: R301602

IND RUGG RJ45 T568B AWG22-24 IP20 CAT6A UTP/STP FIELD KIT

Request Sample

Product Description

DATATUFF ® INDUSTRIAL ETHERNET RUGGEDIZED RJ45 T568B PLUG CAT6A UTP/STP (FIELD KIT) SUITABLE FOR USE IN IP20 INSTALLATION

Technical Specifications

Product Overview

Suitable Applications:	noisy environment, harsh environment, IIoT, factory or process automation, IP cameras and devices, data communication, etc.

Physical Characteristics (Overall)

Height:	0.62
Width:	0.54
Depth:	2.06
Wiring Scheme:	T568B
Packaging:	Individually packaged in a plastic bag.
Weight:	0.060 lbs

Connectors

Materials

Description	Material	Type
Front Connection	Copper Clad PCB, Gold plated contacts	RJ45
Rear Connection	Zinc diecast - Nickel plated	Ind DataTuff
Connector Body	Nickel plated zinc alloy diecast	

Electrical Characteristics

Dielectric Strength:	1,000V RMS @ 60 Hz for 1 minute (Signals to Ground)
Current Rating:	1.500 A
Insulation Resistance:	500 M-Ohm Minimum
Max Contact Resistance:	20 mOhm
Termination Resistance:	2.5 m-Ohm

Temperature Range

Installation Temperature Range:	-40°C To +85°C
Storage Temperature Range:	-40°C To +85°C
Operating Temperature Range:	-40°C To +85°C

Mechanical Characteristics

Footprint/Type:	Modular
Plug /Jack Compatibility:	RJ45
Termination Front Connection:	Mated Connection
Termination Front Connection Durability:	750 cycles
Termination Rear Connection:	Mated Connection

Termination Rear Connection Durability:	750 cycles
Connector/Hardware Retention:	20 lbs
Plug/Connector Retention:	11.250 lbs

Standards

UL Rating:	UL94V-0
TIA/EIA Compliance:	Category 6A - TIA 568.2-D, Category 6A - ISO/IEC 11801:2002 Ed.2
IEEE Compliance:	Power Over Ethernet (PoE) IEEE 802.3at type 1 and 2 (up to 30W), IEEE802.3bt/D1.7 type 3 and 4 (up to 100W), CISCO UPOE (up to 60W), Power over HDBaseTTM (up to 100W)
Other Specification:	UL 1863, IEC 60603-7, FCC part 68-F

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 Flammability:	UL2043 Air Handling Spaces
Safety Listing:	c(UL)us Listed

Related Part Numbers

Related Parts:	DataTuff Cables, Connectors and Accessories

Variants

Item #	Color
R301602 000S1	None

Product Notes

Notes:	Please see Installation Guide PX105479. Suitable for use with cables 300V RMS and 600V AWM. Outer Jacket Diameter range: 0.197 to 0.354 in. Insulation Diameter range: 0.043 to 0.063 in.

History

Update and Revision:	Revision Number: 0.71 Revision Date: 04-08-2022

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