



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) |

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: 0.76 Revision Date: 05-05-2023 |
|----------------------|---|

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.