



Product: [R301601](#)

IND RUGG RJ45 T568A AWG22-24 IP20 CAT6A UTP/STP FIELD KIT

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Product Description

DATATUFF ® INDUSTRIAL ETHERNET RUGGEDIZED RJ45 T568A 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: | T568A                                   |
| 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 |
|----------------|---------------------------------------------|

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: 0.73 Revision Date: 04-08-2022 |
|----------------------|-------------------------------------------------|

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