

# Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

## R301601 Connectors - DataTuff® Industrial Ethernet Ruggedized Plug Kit T568A Cat 6A AWG 22-24 UTP/STP IP20



For more Information  
please call

1-800-Belden1



### General Description:

DataTuff® Industrial Ethernet Ruggedized RJ45 Plug Kit UTP/STP, AWG 22-24, T568A. Suitable for use in IP20 unsealed installations.

### Usage (Overall)

**Suitable Applications:** Industrial ethernet, harsh environments including 10BaseTX, 100BaseTX, 1000BaseT, 10GBASE-T and IBDN System 10GX

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2006
<b>MIL Order #39 (China RoHS):</b>	EUP 50
<b>Safety Listing:</b>	Bi-national Standard Listed

### Notes (Overall)

**Notes:** Refer to Installation Guide PX105479. For additional information about this product, visit our web site at <http://www.belden.com>

### Connectors

<b>Part Number:</b>	R301601
<b>Connector Materials:</b>	UL94V-0 flame retardant, UV resistant
<b>Sealing:</b>	Suitable for IP20
<b>Connector Interface:</b>	IEC 60603-7
<b>Shielding:</b>	Zinc diecast - Nickel plated
<b>Electrical Performance:</b>	Cat 6A
<b>Maximum Operating Voltage:</b>	300 V RMS
<b>Storage Temperature Range:</b>	-40°C To +85°C
<b>Installation Temperature Range:</b>	-40°C To +85°C
<b>Operating Temperature Range:</b>	-40°C To +85°C
<b>Applicable Standards:</b>	ANSI/TIA/EIA-568-C.2, EtherNet/IP Specification, UL1863

#### Connector Specification Ranges:

Conductor	Solid	Stranded	Min. (mm)	Max. (mm)
AWG - Min.	24	24/7		
AWG - Max.	22	22/7		
Insulation Diameter			1.092	1.600
Outer Jacket Diameter			5.004	8.992

**Notes:** UL Flame Test: UL2043 Air Handling Spaces

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
R301601 000S1	1 EA	0.060 LB	NONE		IND RUGG RJ45 T568A AWG22-24

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