

TE Internal #: 2501416-1

TNC Connector, Plug, 75 ohm, Threaded, 0 – 3 GHz, Cable-to-Cable, 1 Position, Wire & Cable, Cable Mount (Free-Hanging), -40 – 85 °C [-40 – 185 °F]

View on TE.com >

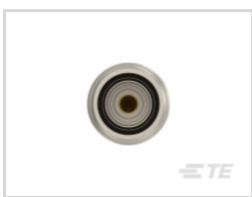


#### Connectors > RF Connectors > Coax Connectors











RF Interface: TNC

RF Connector Style: Plug

RF Connector Mated Outer Diameter (Approximate): 14.5 mm [.57 in]

Impedance:  $75 \Omega$ 

Compatible With RF Cable Type: Belden 9913, LMR 400

## **Features**

## Product Type Features

Connector Shape	Circular
Connector Product Type	Connector Assembly
RF Interface	TNC
RF Connector Style	Plug
Compatible With RF Cable Type	Belden 9913, LMR 400
Connector System	Cable-to-Cable
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Number of Positions	1
Number of Coaxial Contacts	1
Electrical Characteristics	
Impedance	75 Ω



Body Underplating Material	Copper
Cable Connector Orientation	Straight
Body Material	Brass
Body Material Finish	Plated
Body Plating Material	Nickel over Copper
Contact Features	
Ferrule Plating Material	Nickel
Ferrule Material	Brass
Crimp Type	Hexagonal Crimping
RF Connector Center Contact Plating Material	Gold over Nickel over Copper
RF Connector Center Contact Material	Brass
Termination Features	
Termination Method to Wire & Cable	Crimp
Mechanical Attachment	
RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical
Detent	Without
Dimensions	
Product Length	25 mm[.984 in]
RF Connector Mated Outer Diameter (Approximate)	14.5 mm[.57 in]
Usage Conditions	
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Operation/Application	
Operating Frequency	0 – 3 GHz
Packaging Features	
Packaging Method	Bag/Box
Other	
Grade	Commercial
Dielectric Material	POM

# **Product Compliance**



#### For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3.8% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

# Compatible Parts



## **Documents**

### **Product Drawings**



## TNC Plug Str Crimp Belden 9913, LMR-400

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2501416-1\_1.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2501416-1\_1.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2501416-1\_1.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## **Product Specifications**

**Product Specification** 

English