	Revisions		
Issue	Date	Note	
1	12/11/2025	See GTXPDC/1157	

# DATASHEET

### 1. Mechanical

Fixing Method Crimp

Durability 500 mating cycles

Cable Retention Equal to breaking strain of cable

### 2. Environmental

RoHS Compliant Yes

Temperature Range -65 to +165 degrees C

## 3. Electrical

Dielectric Withstanding 2500 Volts RMS Maximum

Impedance 50 ohms Frequency DC - 6 GHz

Working Voltage 1500 Volts RMS Maximum

VSWR ≤ 1.35



	Description	Material	Finish
1	Body	Brass	CTZ Tri-Alloy
2	Coupling Nut	Brass	CTZ Tri-Alloy
3	Pin	Beryllium copper	Gold
4	Dielectric	PTFE	White
5	Ferrule	Brass	CTZ Tri-Alloy

Unless otherwise specified tolerances  $0.5-5 = \pm 0.2$   $>5-30 = \pm 0.4$   $>30-120 = \pm 0.6$   $>120-315 = \pm 1.0$   $>315-1000 = \pm 1.6$  Angles  $= \pm 5^{\circ}$  Units = mm

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Author	PJP
Drawn by	PJP
Drawing date	12/11/2025
Checked by	DB
Checked date	12/11/2025
Scale	Not to scale

**Part Number** NT17-0519-C49-2

**Title**: N Type Crimp Right Angle Plug, Tri-Alloy Plated, Solder Free Spring Finger Contact LBC400, Belden 9913, RA519

	Revisions		
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# ASSEMBLY INSTRUCTIONS

## **Assembly Instructions:**

1) Slide the ferrule onto the cable and strip the cable to the dimensions as shown, taking care not to nick the centre conductor or braid





2) Insert the cable into the body, ensuring that the cable braid is on the outside of the connector mandril and that the centre core is fully located

3) Slide the ferrule forward and crimp.



Crimp Die Sizes:

10.90mm Hex.

Strip Dimensions:

A=15.0mm, B=5.4mm



# 5

**Brass** 

PTFE

**Brass** 

Brass

**Material** 

Beryllium copper

CTZ Tri-Alloy

CTZ Tri-Alloy

CTZ Tri-Alloy

White

**Finish** 

Gold

5 Ferrule

Body

3 Pin

Dielectric

Coupling Nut

**Description** 

Unless otherwise specified tolerances  $0.5-5 = \pm 0.2$  >5-30 =  $\pm 0.4$  >30-120 =  $\pm 0.6$  >120-315 =  $\pm 1.0$  >315-1000 =  $\pm 1.6$  Angles =  $\pm 5^{\circ}$  Units = mm

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