

**Revisions**

Issue	Date	Note
2	17/12/2025	See GTXPDC/1178

**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	$\leq 1.35$



Description	Material	Finish
Heatshrink	Polyolefin	Black
Ferrule	Brass	CTZ Tri-Alloy
Dielectric	PTFE	White
Pin	Beryllium copper	Gold
Coupling Nut	Brass	CTZ Tri-Alloy
Body	Brass	CTZ Tri-Alloy
<b>Description</b>	<b>Material</b>	<b>Finish</b>

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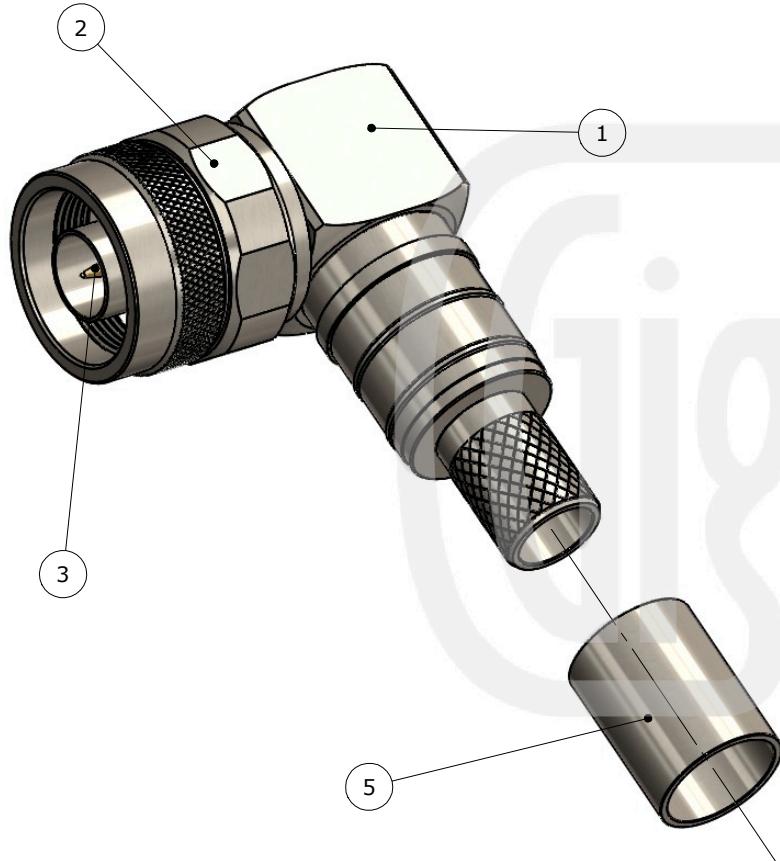
**Part Number** NT17-0519-C49-2

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

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

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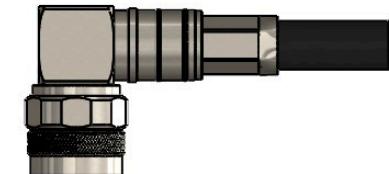
**ASSEMBLY INSTRUCTIONS**

**Assembly Instructions:**

1) Slide the supplied heatshrink (if required) and 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 mandrel and that the centre core is fully located

3) Slide the ferrule forward and crimp.



4) If using, apply the heatshrink.



**Crimp Die Sizes:**  
10.90mm Hex.



**Strip Dimensions:**  
A=15.0mm, B=5.4mm

Description	Material	Finish	Unless otherwise specified tolerances 0.5-5 = ±0.2 >5-30 = ±0.4 >30-120 = ±0.6 >120-315 = ±1.0 >315-1000 = ±1.6 Angles = ±5° Units = mm
6 Heatshrink	Polyolefin	Black	
5 Ferrule	Brass	CTZ Tri-Alloy	
4 Dielectric	PTFE	White	
3 Pin	Beryllium copper	Gold	
2 Coupling Nut	Brass	CTZ Tri-Alloy	
1 Body	Brass	CTZ Tri-Alloy	
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