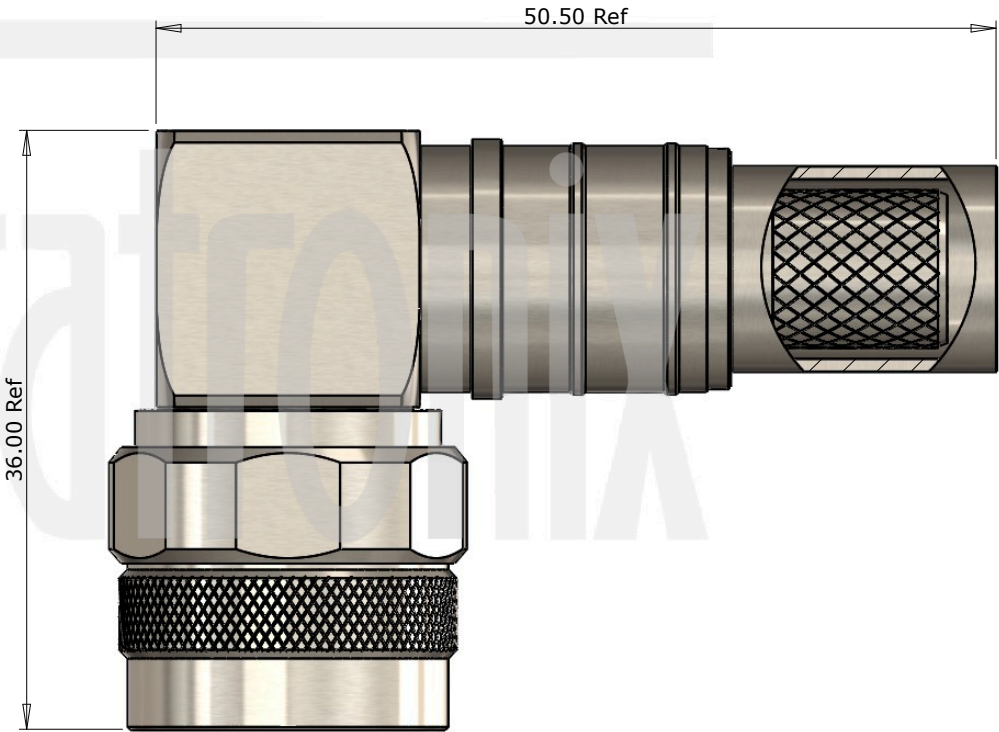
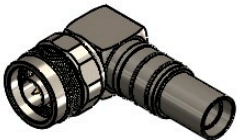


Revisions		
Issue	Date	Note
2	17/12/2025	See GTXPDC/1178



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

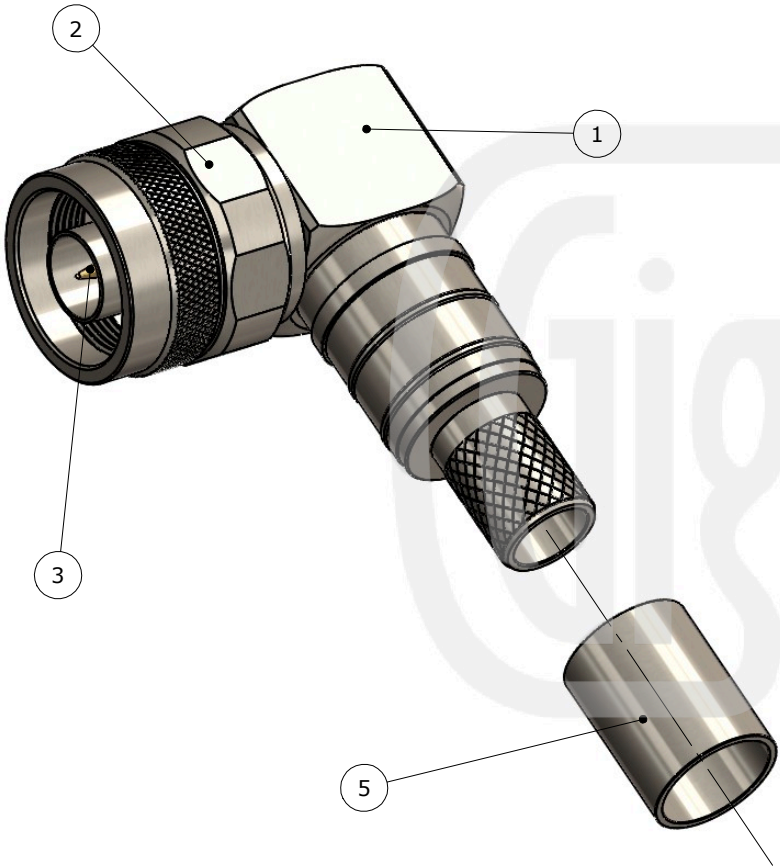
3. Electrical

Dielectric Withstanding	2500 Volts RMS Maximum
Impedance	50 ohms
Frequency	DC - 6 GHz
Working Voltage	1500 Volts RMS Maximum
VSWR	≤ 1.35

				<div> <div> <p>Unless otherwise specified tolerances</p> <p>0.5-5 = ±0.2</p> <p>&gt;5-30 = ±0.4</p> <p>&gt;30-120 = ±0.6</p> <p>&gt;120-315 = ±1.0</p> <p>&gt;315-1000 = ±1.6</p> <p>Angles = ±5°</p> <p>Units = mm</p> </div> <div> <p>This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation.</p> </div> </div>	<div> <div> </div> <div> <div> <div>Part Number</div> <div>NT17-0519-C49-2</div> </div> <div> <div>Title:</div> <div>N Type Crimp Right Angle Plug, Tri-Alloy Plated, Solder Free Spring Finger Contact LBC400, Belden 9913, RA519</div> </div> </div> </div>	<div> <div>Author</div> <div>PJP</div> </div>
						<div> <div>Drawn by</div> <div>PJP</div> </div>
6	Heatshrink	Polyolefin	Black			<div> <div>Drawing date</div> <div>12/11/2025</div> </div>
5	Ferrule	Brass	CTZ Tri-Alloy			<div> <div>Checked by</div> <div>DB</div> </div>
4	Dielectric	PTFE	White			<div> <div>Checked date</div> <div>12/11/2025</div> </div>
3	Pin	Beryllium copper	Gold			<div> <div>Scale</div> <div>Not to scale</div> </div>
2	Coupling Nut	Brass	CTZ Tri-Alloy			
1	Body	Brass	CTZ Tri-Alloy			
Description		Material	Finish			

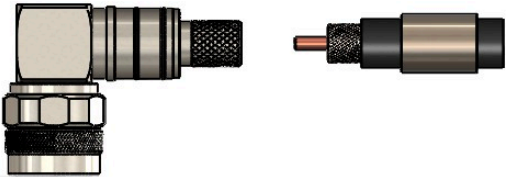
Revisions		
Issue	Date	Note
2	17/12/2025	See GTXPDC/1178

# ASSEMBLY INSTRUCTIONS



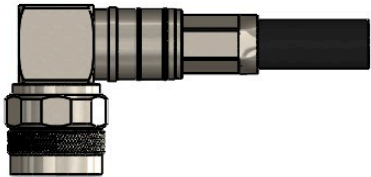
## Assembly Instructions:

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

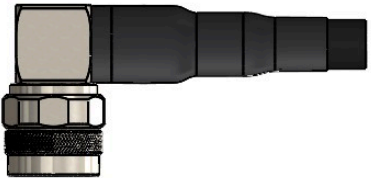


2) Insert the cable into the body, ensuring that the cable braid is on the outside of the connector mandril and that the centre core is fully located

3) Slide the ferrule forward and crimp.

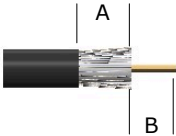



4) If using, apply the heatshrink.



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

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



				<p>Unless otherwise specified tolerances  0.5-5 = <math>\pm 0.2</math>  &gt;5-30 = <math>\pm 0.4</math>  &gt;30-120 = <math>\pm 0.6</math>  &gt;120-315 = <math>\pm 1.0</math>  &gt;315-1000 = <math>\pm 1.6</math>  Angles = <math>\pm 5^\circ</math>  Units = mm</p>		<b>Author</b>	PJP
						<b>Drawn by</b>	PJP
6	Heatshrink	Polyolefin	Black			<b>Drawing date</b>	12/11/2025
5	Ferrule	Brass	CTZ Tri-Alloy			<b>Checked by</b>	DB
4	Dielectric	PTFE	White			<b>Checked date</b>	12/11/2025
3	Pin	Beryllium copper	Gold	<p>This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation.</p>	<b>Part Number</b> NT17-0519-C49-2  <b>Title:</b> N Type Crimp Right Angle Plug, Tri-Alloy Plated, Solder Free Spring Finger Contact LBC400, Belden 9913, RA519	<b>Scale</b>	Not to scale
2	Coupling Nut	Brass	CTZ Tri-Alloy				
1	Body	Brass	CTZ Tri-Alloy				
<b>Description</b>		<b>Material</b>	<b>Finish</b>				