

Revisions		
Issue	Date	Note
3	18/12/2025	See GTXPDC/1180

1. Mechanical

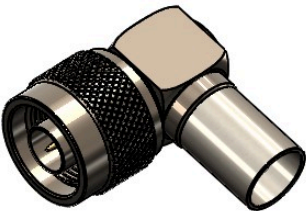
Cable Retention	Equal to breaking strain of cable
Durability	500 mating cycles
Fixing Method	Crimp
Contact Termination	Solder


2. Environmental

RoHS Compliant	Yes
Temperature Range	-65 to +165 degrees C

3. Electrical

Dielectric Withstanding	2500 Volts RMS Maximum
Impedance	50 ohms
Interface Frequency	11 GHz
Working Voltage	1500 Volts RMS Maximum
VSWR	< 1.3 @ 6GHZ
Insertion Loss (dB)	< 0.5 x sqt (f.GHz)



				<div>Unless otherwise specified tolerances 0.5-5 = ±0.2 &gt;5-30 = ±0.4 &gt;30-120 = ±0.6 &gt;120-315 = ±1.0 &gt;315-1000 = ±1.6 Angles = ±5° Units = mm</div>	<div></div>	<b>Author</b>	PJP
						<b>Drawn by</b>	PJP
6	End Cap	Brass	Nickel			<b>Drawing date</b>	06/03/2025
5	Ferrule	Brass	Nickel			<b>Checked by</b>	DB
4	Dielectric	PTFE	White			<b>Checked date</b>	06/03/2025
3	Pin	Brass	Gold			<b>Scale</b>	Not to scale
2	Coupling Nut	Brass	Nickel	<div>This document is the confidential property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party without written authorisation.</div>	<b>Part Number</b>	NT17-0519-C06	
1	Body	Brass	Nickel		<b>Title:</b> N Type Crimp Right Angle Plug, Nickel Plated, LBC400, Belden 9913, RA519		
	<b>Description</b>	<b>Material</b>	<b>Finish</b>				

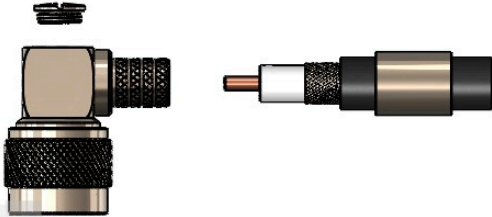
Revisions		
Issue	Date	Note
3	18/12/2025	See GTXPDC/1180



## ASSEMBLY INSTRUCTIONS

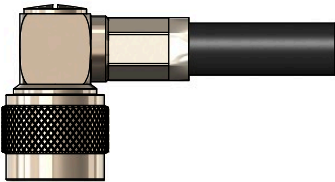
### Assembly Instructions:

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 locates in the internal mounting post


3) Slide the ferrule forward and crimp. Solder the centre core of the cable to the mounting post and screw in the end cap



**Crimp Die Sizes:**  
10.90mm Hex., Solder centre core

**Strip Dimensions:**  
A=11.0mm, B=8.0mm, C=5.5mm



				<p>Unless otherwise specified tolerances 0.5-5 = ±0.2 &gt;5-30 = ±0.4 &gt;30-120 = ±0.6 &gt;120-315 = ±1.0 &gt;315-1000 = ±1.6 Angles = ±5° Units = mm</p>		<b>Author</b> PJP	
						<b>Drawn by</b> PJP	
6	End Cap	Brass	Nickel			<b>Drawing date</b> 06/03/2025	
5	Ferrule	Brass	Nickel			<b>Checked by</b> DB	
4	Dielectric	PTFE	White			<b>Checked date</b> 06/03/2025	
3	Pin	Brass	Gold			<b>Scale</b> Not to scale	
2	Coupling Nut	Brass	Nickel	<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-C06	
1	Body	Brass	Nickel		<b>Title:</b> N Type Crimp Right Angle Plug, Nickel Plated, LBC400, Belden 9913, RA519		
	<b>Description</b>	<b>Material</b>	<b>Finish</b>				