## **DATASHEET**

|   | Revisions  Issue Date Note |            | Revisions       |
|---|----------------------------|------------|-----------------|
|   |                            |            | Note            |
| ĺ | 2                          | 07/11/2025 | See GTXPDC/1153 |

1. Mechanical

Cable Retention

Durability

Fixing Method

**Contact Termination** 

2. Environmental

RoHS Compliant

Temperature Range

3. Electrical

Dielectric Withstanding

Impedance

Interface Frequency

Working Voltage

**VSWR** 

Insertion Loss (dB)

2500 Volts RMS Maximum 50 ohms

-65 to +165 degrees C

500 mating cycles

Crimp

Solder

11 GHz

1500 Volts RMS Maximum

Equal to breaking strain of cable

< 1.3 @ 6GHZ

< 0.5 x sqt (f.GHz)





|   | Description  | Material | Finish |
|---|--------------|----------|--------|
| 1 | Body         | Brass    | Nickel |
| 2 | Coupling Nut | Brass    | Nickel |
| 3 | Pin          | Brass    | Gold   |
| 4 | Dielectric   | PTFE     | White  |
| 5 | Ferrule      | Brass    | Nickel |
| 6 | End Cap      | Brass    | Nickel |
|   |              |          |        |
|   |              |          |        |

Unless otherwise specified tolerances  $0.5^{-5} = \pm 0.2$   $>5^{-3}0 = \pm 0.4$   $>30^{-1}20 = \pm 0.6$   $>120^{-3}15 = \pm 1.0$   $>315^{-1}000 = \pm 1.6$  Angles  $= \pm 5^{\circ}$  Units = mm

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| Author       | РЈР          |
|--------------|--------------|
| Drawn by     | РЈР          |
| Drawing date | 06/03/2025   |
| Checked by   | DB           |
| Checked date | 06/03/2025   |
| Scale        | Not to scale |

Part Number

NT17-0519-C06

**Title**: N Type Crimp Right Angle Plug, Nickel Plated, LBC400, Belden 9913, RA519

|       |            | Revisions       |
|-------|------------|-----------------|
| Issue | Date       | Note            |
| 2     | 07/11/2025 | See GTXPDC/1153 |

## **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=9.5mm, C=4.0mm



| 6 End Cap Brass Nickel 5 Ferrule Brass Nickel 4 Dielectric PTFE White 3 Pin Brass Gold 2 Coupling Nut Brass Nickel 1 Body Brass Nickel |   | Description  | Material | Finish |  |
|----------------------------------------------------------------------------------------------------------------------------------------|---|--------------|----------|--------|--|
| 5 Ferrule Brass Nickel 4 Dielectric PTFE White 3 Pin Brass Gold                                                                        | 1 | Body         | Brass    | Nickel |  |
| 5 Ferrule Brass Nickel 4 Dielectric PTFE White                                                                                         | 2 | Coupling Nut | Brass    | Nickel |  |
| 5 Ferrule Brass Nickel                                                                                                                 | 3 | Pin          | Brass    | Gold   |  |
|                                                                                                                                        | 4 | Dielectric   | PTFE     | White  |  |
| 6 End Cap Brass Nickel                                                                                                                 | 5 | Ferrule      | Brass    | Nickel |  |
|                                                                                                                                        | 6 | End Cap      | Brass    | Nickel |  |
|                                                                                                                                        |   |              |          |        |  |
|                                                                                                                                        |   |              |          |        |  |

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     | РЈР          |
| Drawing date | 06/03/2025   |
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| Checked date | 06/03/2025   |
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