| | | Revisions |
|-------|------------|----------------|
| Issue | Date | Note |
| 5 | 12/09/2024 | See GTXPDC/998 |

1. Mechanical

Equal to breaking strain of cable Crimp 500 mating cycles Crimp

Yes

-65 to +165 degrees C

3. Electrical

2. Environmental

RoHS Compliant

Temperature Range

| Dielectric Withstanding | 1500 Volts I | RMS Max |
|-------------------------|--------------|----------|
| Impedance | 75 ohms | |
| Interface Frequency | 12 GHz | |
| Working Voltage | 500 Volts R | MS Maxir |
| Return Loss | 3GHz | -29.6dE |
| | 6GHz | -19.1dE |
| | 9GHz | -16.7dE |
| | | |

| 1500 Volts RM | 1S Maximum |
|---------------|------------|
| 75 ohms | |
| 12 GHz | |
| 500 Volts RM | S Maximum |
| 3GHz - | 29.6dB |
| 6GHz - | 19.1dB |
| 9GHz - | 16.7dB |
| 12GHz - | 18.3dB |



| | | | | | | Author | РЈР |
|---|--------------|------------|--------|--|--|--------------|--------------|
| | | | | Unless otherwise specified tolerances | (Gigatroniv | Drawn by | РЈР |
| | | | | $0.5-5 = \pm 0.2$ >5-30 = ±0.4 | | Drawing date | 24/09/2015 |
| 5 | Ferrule | Brass | Nickel | >30-120 = ±0.6 >120-315 = ±1.0 | | Checked by | GP |
| 4 | Dielectric | PTFE | White | >315-1000 = ±1.6 Angles = ±5° Units = mm | | Checked date | 28/09/2015 |
| 3 | Pin | Brass | Gold | onits = min | | Scale | Not to scale |
| 2 | Coupling Nut | Zinc Alloy | Nickel | This document is the confidential | Part Number BN15-0179-C06D-Z | | |
| 1 | Body | Brass | Nickel | property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party | Title: BNC 12G SDI Crimp Plug, Nickel Plated, Belden RG179DT, RG179B/U | | |
| | Description | Material | Finish | or transmitted to any third party without written authorisation. | | | |

DATASHEET



| | | Revisions |
|-------|------------|----------------|
| Issue | Date | Note |
| 5 | 12/09/2024 | See GTXPDC/998 |

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) Crimp the pin onto the centre core and slide the pin into the body until it captivates, ensuring that the cable braid is on the outside of the connector mandril

3) Slide the ferrule forward and crimp



Crimp Die Sizes: 4.52mm Hex., 1.07mm sq

Strip Dimensions: A=7.1mm, B=3.4mm, C=3.8mm



| | | | Understanding and | | Author | РЈР |
|----------------|------------|--------|--|---|------------------------|--------------|
| | | | Unless otherwise specified tolerances | (Gigatronix | Drawn by | РЈР |
| | | | $0.5-5 = \pm 0.2$ >5-30 = ±0.4 | | Drawing date | 24/09/2015 |
| 5 Ferrule | Brass | Nickel | >30-120 = ±0.6 >120-315 = ±1.0 | | Checked by | GP |
| 1 Dielectric | PTFE | White | >315-1000 = ±1.6 Angles = ±5° | | Checked date | 28/09/2015 |
| 3 Pin | Brass | Gold | Units = mm | | Scale | Not to scale |
| 2 Coupling Nut | Zinc Alloy | Nickel | This document is the confidential | Part Number BN15-0179-C06D-Z | | |
| 1 Body | Brass | Nickel | property of Gigatronix Limited and may not be copied, reproduced or transmitted to any third party | Title: BNC 12G SDI Crimp Plug, Nickel Plated, | ed, Belden RG179DT, Ro | G179B/U |
| Description | Material | Finish | without written authorisation. | | | |

