

| BNC3100-0059 | BNC plug crimp for RG59 500MHz VSWR 1.2 | | 75Ω |
|---|--|---|-----|
| | | | |
| Parts | Material | Plating (Micro-inch) | |
| Ferrule | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | |
| Contact Pin | Brass | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 | |
| Gasket | Silicone | | |
| Washer | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | |
| Spring | SK5 | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | |
| Insulator | Teflon | | |
| Body | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | |
| Coupling Nut | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | |
| Weight: 9.04 g Suitable Cables: RG59 | | | |

This part number complies with RoHS.

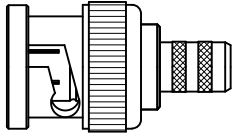



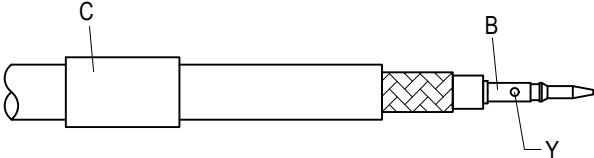
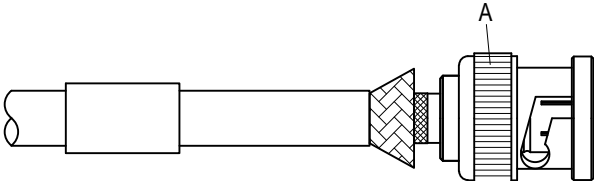
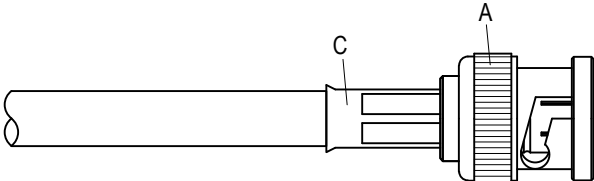
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| BNC | BNC3100-0059 | | | | | | | | | | | | | | | | | | |
|--|--------------------------------------|---------------------------------|---------------------|------------------------------|--------------------------------------|---------------------------|-------------------------|---------------------|--------------------------------------|-----------------------|-----------|------------------------------------|---------|------------------------------------|-------|--|------------|--------------------------------|-----------|
| <div data-bbox="167 344 568 392" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B</p> | | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 510 568 557" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Impedance</td> <td style="width: 50%;">75Ω</td> </tr> <tr> <td>Frequency range</td> <td>DC to 500MHz</td> </tr> <tr> <td>VSWR</td> <td>≦ 1.2 (DC to 500MHz)</td> </tr> <tr> <td>Insertion loss</td> <td>≦ 0.1 x √f(GHz) dB</td> </tr> <tr> <td>Insulation resistance</td> <td>≧ 5000MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td>≦ 1.5mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td>≦ 1mΩ</td> </tr> <tr> <td>Dielectric withstanding Voltage (at sea level)</td> <td>1500 V rms</td> </tr> <tr> <td>Working voltage (at sea level)</td> <td>500 V rms</td> </tr> </table> | | Impedance | 75Ω | Frequency range | DC to 500MHz | VSWR | ≦ 1.2 (DC to 500MHz) | Insertion loss | ≦ 0.1 x √f(GHz) dB | Insulation resistance | ≧ 5000MΩ | Contact resistance inner conductor | ≦ 1.5mΩ | Contact resistance outer conductor | ≦ 1mΩ | Dielectric withstanding Voltage (at sea level) | 1500 V rms | Working voltage (at sea level) | 500 V rms |
| Impedance | 75Ω | | | | | | | | | | | | | | | | | | |
| Frequency range | DC to 500MHz | | | | | | | | | | | | | | | | | | |
| VSWR | ≦ 1.2 (DC to 500MHz) | | | | | | | | | | | | | | | | | | |
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| Contact resistance inner conductor | ≦ 1.5mΩ | | | | | | | | | | | | | | | | | | |
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| <div data-bbox="167 1052 568 1099" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Recommended coupling nut torque</td> <td style="width: 50%;">0.6 to 2.5 inch lbs</td> </tr> <tr> <td>Coupling nut retention force</td> <td>≧ 101.2 lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td>≧ 6.1 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≧ 500</td> </tr> </table> | | Recommended coupling nut torque | 0.6 to 2.5 inch lbs | Coupling nut retention force | ≧ 101.2 lbs | Contact captivation-axial | ≧ 6.1 lbs | Durability (mating) | ≧ 500 | | | | | | | | | | |
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| <div data-bbox="167 1361 568 1408" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Temperature range</td> <td style="width: 50%;">-65°C to +165°C</td> </tr> <tr> <td>Thermal shock</td> <td>MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture resistance</td> <td>MIL-STD-202, Method 106</td> </tr> <tr> <td>Corrosion</td> <td>MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td>Compliant</td> </tr> </table> | | Temperature range | -65°C to +165°C | Thermal shock | MIL-STD-202, Method 107, Condition B | Moisture resistance | MIL-STD-202, Method 106 | Corrosion | MIL-STD-202, Method 101, Condition B | RoHS | Compliant | | | | | | | | |
| Temperature range | -65°C to +165°C | | | | | | | | | | | | | | | | | | |
| Thermal shock | MIL-STD-202, Method 107, Condition B | | | | | | | | | | | | | | | | | | |
| Moisture resistance | MIL-STD-202, Method 106 | | | | | | | | | | | | | | | | | | |
| Corrosion | MIL-STD-202, Method 101, Condition B | | | | | | | | | | | | | | | | | | |
| RoHS | Compliant | | | | | | | | | | | | | | | | | | |
| <div data-bbox="167 1713 568 1760" style="border: 1px solid black; padding: 2px;">Tooling</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Crimping tool</td> <td style="width: 50%;">CRT-1 or CRT-2</td> </tr> <tr> <td>Crimp insert</td> <td>INSERT-E</td> </tr> </table> | | Crimping tool | CRT-1 or CRT-2 | Crimp insert | INSERT-E | | | | | | | | | | | | | | |
| Crimping tool | CRT-1 or CRT-2 | | | | | | | | | | | | | | | | | | |
| Crimp insert | INSERT-E | | | | | | | | | | | | | | | | | | |

Notice: JYEBAO reserves the right to make modifications deemed appropriate.

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

| BNC3100-0059 | DATE | 2017/03/27 | REV | — |
|--|---|---|---------------|---|
| A | B | C | | |
|  |  |  | | |
| BODY | CONTACT PIN | FERRULE | | |
| DIAGRAM | ASSEMBLY INSTRUCTION | | | |
|  | Step 1: STRIP AS SHOWN. | | | |
|  | Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 1.6mm/0.063inch SECTION OF INSERT-E IF CRIMPED) | | | |
|  | Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE. | | | |
|  | Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 6.5mm/0.256inch HEX SECTION OF INSERT-E) | | | |
| <p>This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.</p> | | | | |
| APPROVED | CHECKED | DRAWING | <i>Albert</i> | |

BNC3100-0059

