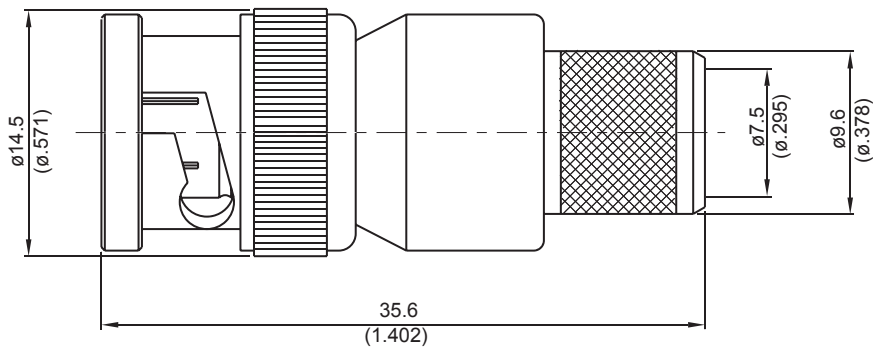


BNC3100-0011

**BNC Plug Crimp For RG11;  
2.5GHz VSWR 1.25**

**75Ω**



| Parts        | Material | Plating (Micro-inch)                                  |
|--------------|----------|---|
| Ferrule      | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Center Pin   | Brass    | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Gasket       | Silicone |   |
| Spring       | SK5      | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Washer       | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Barrel       | Brass    | 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: 20.6 g

Suitable Cables: RG11

**This part number complies with RoHS.**

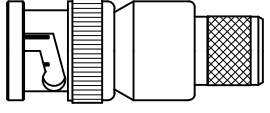
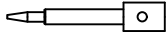

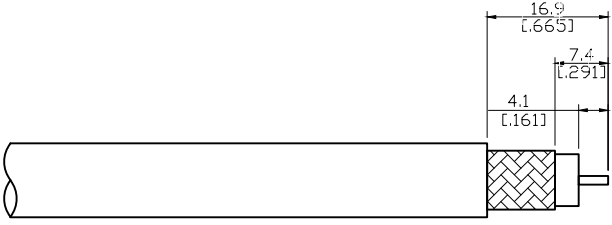
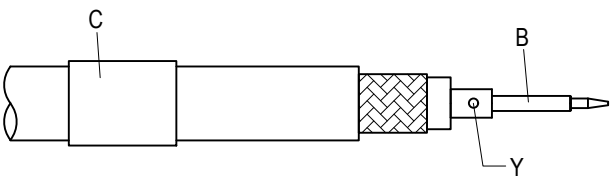
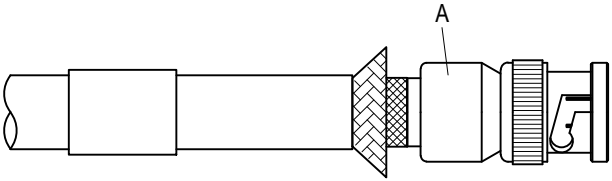
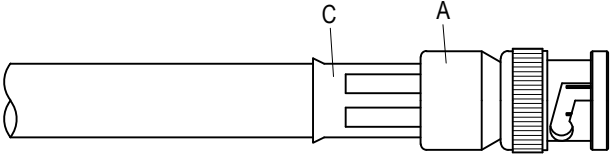
**Notice: JYEBAO reserves the right to make modifications deemed appropriate.**

| BNC  | BNC3100-0011                         |                                 |                     |                              |                                      |                           |                         |                     |                                      |                       |           |                                    |         |                                    |       |  |            |                                |           |
|--|--------------------------------------|---------------------------------|---------------------|------------------------------|--------------------------------------|---------------------------|-------------------------|---------------------|--------------------------------------|-----------------------|-----------|------------------------------------|---------|------------------------------------|-------|--|------------|--------------------------------|-----------|
| <div data-bbox="167 344 568 389" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B</p>  |                                      |                                 |                     |                              |                                      |                           |                         |                     |                                      |                       |           |                                    |         |                                    |       |  |            |                                |           |
| <div data-bbox="167 512 568 557" 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 2.5GHz</td> </tr> <tr> <td>VSWR</td> <td>≦ 1.25 (DC to 2.5GHz)</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 2.5GHz                         | VSWR                      | ≦ 1.25 (DC to 2.5GHz)   | 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 2.5GHz                         |                                 |                     |                              |                                      |                           |                         |                     |                                      |                       |           |                                    |         |                                    |       |  |            |                                |           |
| VSWR   | ≦ 1.25 (DC to 2.5GHz)                |                                 |                     |                              |                                      |                           |                         |                     |                                      |                       |           |                                    |         |                                    |       |  |            |                                |           |
| 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                            |                                 |                     |                              |                                      |                           |                         |                     |                                      |                       |           |                                    |         |                                    |       |  |            |                                |           |
| <div data-bbox="167 1055 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                                |                       |           |                                    |         |                                    |       |  |            |                                |           |
| 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                                |                                 |                     |                              |                                      |                           |                         |                     |                                      |                       |           |                                    |         |                                    |       |  |            |                                |           |
| <div data-bbox="167 1364 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 1715 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-C</td> </tr> </table>  |                                      | Crimping tool                   | CRT-1 or CRT-2      | Crimp insert                 | INSERT-C                             |                           |                         |                     |                                      |                       |           |                                    |         |                                    |       |  |            |                                |           |
| Crimping tool  | CRT-1 or CRT-2                       |                                 |                     |                              |                                      |                           |                         |                     |                                      |                       |           |                                    |         |                                    |       |  |            |                                |           |
| Crimp insert   | INSERT-C                             |                                 |                     |                              |                                      |                           |                         |                     |                                      |                       |           |                                    |         |                                    |       |  |            |                                |           |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

| BNC3100-0011   | DATE  | 2017/02/02  | REV           | — |
|--|---|---|---------------|---|
| <div style="text-align: center;">A</div>  <div style="text-align: center;">BODY</div> | <div style="text-align: center;">B</div>  <div style="text-align: center;">CONTACT PIN</div>                                 | <div style="text-align: center;">C</div>  <div style="text-align: center;">FERRULE</div> |               |   |
| DIAGRAM  | ASSEMBLY INSTRUCTION  |   |               |   |
|    | <p>Step 1: STRIP AS SHOWN.</p>  |   |               |   |
|   | <p>Step 2: SLIDE FERRULE " C " OVER CABLE.<br/>           Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ".<br/>           (USE 3.3mm/0.130inch HEX SECTION OF INSERT-C IF CRIMPED)</p> |   |               |   |
|   | <p>Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.</p>  |   |               |   |
|   | <p>Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP.<br/>           (USE 10.7mm/0.421inch HEX SECTION OF INSERT-C)</p>   |   |               |   |
| <p>This part number complies with RoHS.<br/>           Notice: JYEBAO reserves the right to make modifications deemed appropriate.</p>                                 |   |   |               |   |
| APPROVED   | CHECKED   | DRAWING   | <i>Albert</i> |   |

S11

