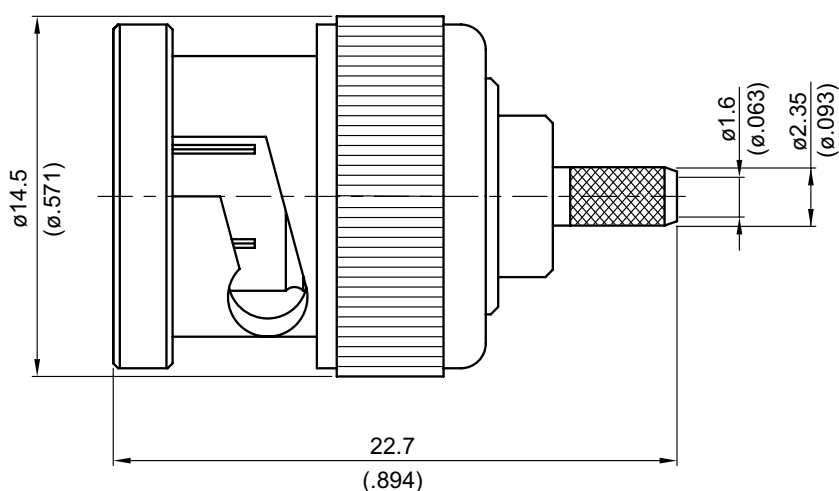


BNC3100-0316/BL

**BNC Plug Crimp For RG174, RG188, RG316**  
**4GHz VSWR1.2**

**50Ω**



| Parts        | Material | Plating (Micro-inch)                                  |
|--------------|----------|-------------------------------------------------------|
| Ferrule      | Brass    | Black Chromium 5 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    | Black Chromium 5 Over Copper 50                       |
| Coupling Nut | Brass    | Black Chromium 5 Over Copper 50                       |

Weight: 8.06 g

Suitable Cables: RG174, RG188, RG316, RG316-FEP

**This part number complies with RoHS.**

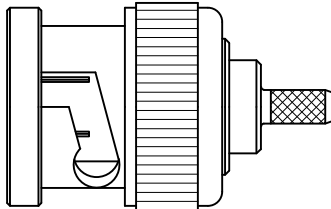
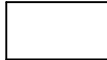
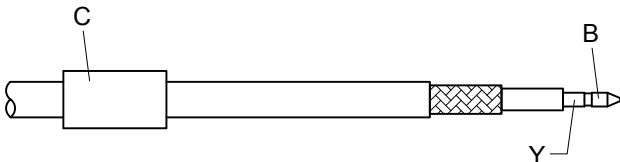
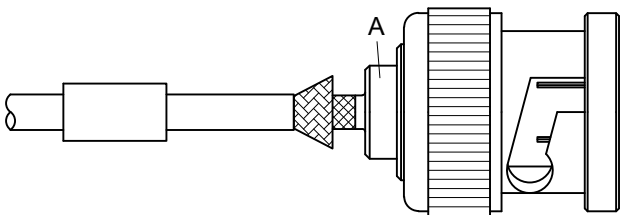
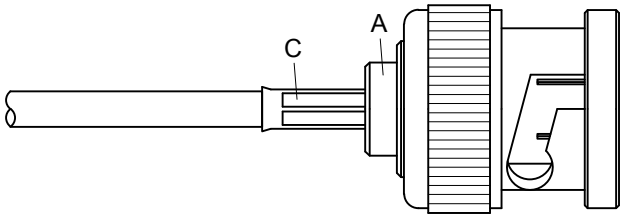
**Notice: JYEBAO reserves the right to make modifications deemed appropriate.**

| BNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BNC3100-0316/BL |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <div>Interface</div> MIL-STD-348B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| <div>Electrical Data</div> <div> <div>Impedance</div> <div>Frequency range</div> <div>VSWR</div> <div>Insertion loss</div> <div>Insulation resistance</div> <div>Contact resistance inner conductor</div> <div>Contact resistance outer conductor</div> <div>Dielectric withstanding voltage (at sea level)</div> <div>Working voltage (at sea level)</div> </div> <div> <div>50Ω</div> <div>DC to 4GHz</div> <div><math>\leq 1.2</math> (DC to 4GHz)</div> <div><math>\leq 0.1 \times \sqrt{f(\text{GHz})}\text{dB}</math></div> <div><math>\geq 5000\text{M}\Omega</math></div> <div><math>\leq 1.5\text{m}\Omega</math></div> <div><math>\leq 1\text{m}\Omega</math></div> <div>1500 V rms</div> <div>500 V rms</div> </div> |                 |
| <div>Mechanical Data</div> <div> <div>Recommended coupling nut torque</div> <div>Coupling nut retention force</div> <div>Contact captivation-axial</div> <div>Durability (mating)</div> </div> <div> <div>0.6 to 2.5 inch lbs</div> <div><math>\geq 101.2</math> lbs</div> <div><math>\geq 6.1</math> lbs</div> <div><math>\geq 500</math></div> </div>                                                                                                                                                                                                                                                                                                                                                                         |                 |
| <div>Environmental Data</div> <div> <div>Temperature range</div> <div>Thermal shock</div> <div>Moisture resistance</div> <div>Corrosion</div> <div>RoHS</div> </div> <div> <div>-65°C to +165°C</div> <div>MIL-STD-202, Method 107, Condition B</div> <div>MIL-STD-202, Method 106</div> <div>MIL-STD-202, Method 101, Condition B</div> <div>Compliant</div> </div>                                                                                                                                                                                                                                                                                                                                                            |                 |
| <div>Tooling</div> <div> <div>Crimping tool</div> <div>Crimp insert</div> </div> <div> <div>CRT-1 or CRT-2</div> <div>INSERT-A</div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                                                                                                                                                                                                                                                                                                                               |  |         |                                                                                                                                                              |         |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|
| BNC3100-0316/BL                                                                                                                                                                                                                                                                                                                                                                                                               |  | DATE    | 2017/03/27                                                                                                                                                   | REV     | — |
| <div><div><div>A</div><div></div><div>BODY</div></div><div><div>B</div><div></div><div>CONTACT PIN</div></div><div><div>C</div><div></div><div>FERRULE</div></div></div> |  |         |                                                                                                                                                              |         |   |
| DIAGRAM                                                                                                                                                                                                                                                                                                                                                                                                                       |  |         | ASSEMBLY INSTRUCTION                                                                                                                                         |         |   |
|                                                                                                                                                                                                                                                                                                                                             |  |         | Step 1: STRIP AS SHOWN.                                                                                                                                      |         |   |
|                                                                                                                                                                                                                                                                                                                                            |  |         | Step 2: SLIDE FERRULE " C " OVER CABLE.<br>Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND CRIMP IN " Y ".<br>(USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A) |         |   |
|                                                                                                                                                                                                                                                                                                                                            |  |         | Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.                                                                                                  |         |   |
|                                                                                                                                                                                                                                                                                                                                            |  |         | Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP.<br>(USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)                                          |         |   |
| This part number complies with RoHS.<br>Notice: JYEBAO reserves the right to make modifications deemed appropriate.                                                                                                                                                                                                                                                                                                           |  |         |                                                                                                                                                              |         |   |
| APPROVED                                                                                                                                                                                                                                                                                                                                                                                                                      |  | CHECKED |                                                                                                                                                              | DRAWING |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                               |  |         |                                                                                                                                                              | Albert  |   |

# BNC3100-0316/BL

S11

