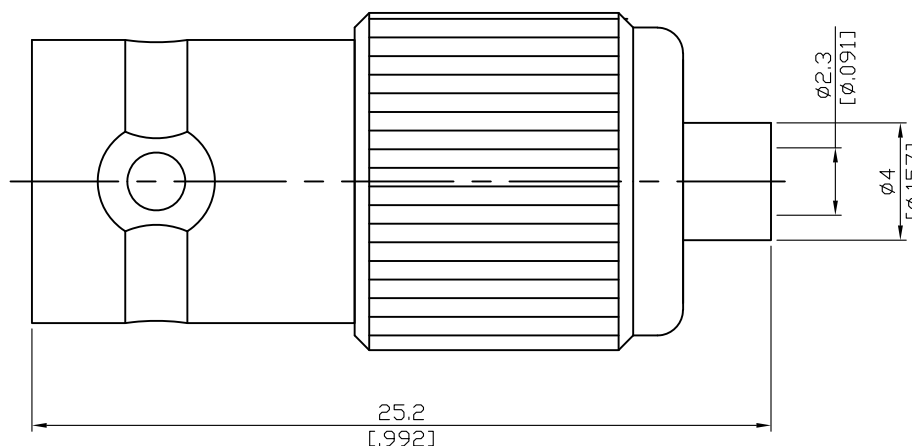


BNC8300-0085

BNC Jack Crimp For RG405  
4GHz VSWR 1.2

50Ω



| Parts       | Material | Plating ( Micro-inch )                                |
|-------------|----------|-------------------------------------------------------|
| Contact Pin | P.Bronze | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Barrel      | Brass    | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator   | Teflon   |                                                       |
| Body        | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |

Suitable Cables: .085 Semi-Rigid, .085 Formable, RG405

This part number complies with RoHS.

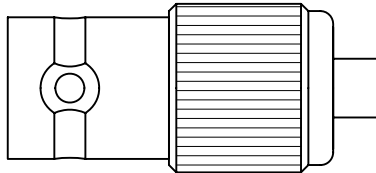
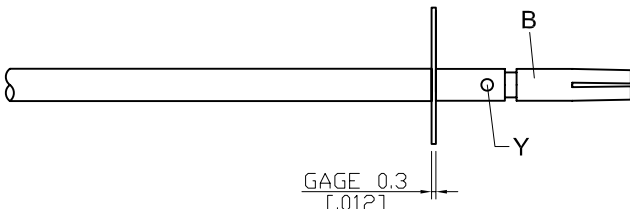
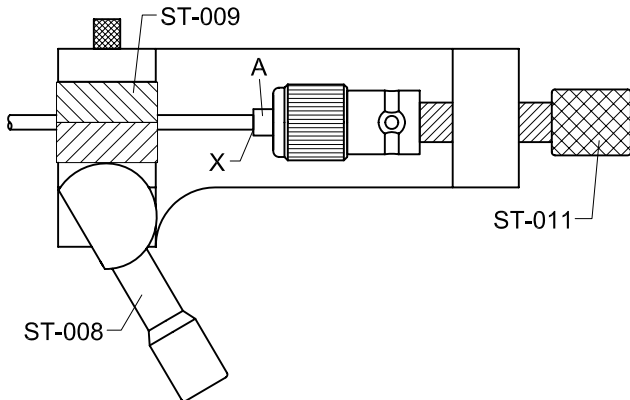
Notice: JYEBAO reserves the right to make modifications demand appropriate.

| BNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BNC8300-0085 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <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>Contact captivation-axial</div> <div>Durability (mating)</div> </div> <div> <div>0.6 to 2.5 inch 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>Soldering gauge</div> <div>Locator tool</div> <div>Soldering fixture</div> <div>Insert for .085 semi-rigid cable</div> </div> <div> <div>ST-0.3</div> <div>ST-011</div> <div>ST-008</div> <div>ST-009</div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                     |  |                                                                                                                                      |            |         |   |
|---------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---|
| BNC8300-0085                                                                                                        |  | DATE                                                                                                                                 | 2016/07/20 | REV     | — |
| A                                                                                                                   |  | B                                                                                                                                    |            |         |   |
|                                    |  |                                                    |            |         |   |
| BODY                                                                                                                |  | CONTACT PIN                                                                                                                          |            |         |   |
| DIAGRAM                                                                                                             |  | ASSEMBLY INSTRUCTION                                                                                                                 |            |         |   |
|                                   |  | Step 1: STRIP AS SHOWN.                                                                                                              |            |         |   |
|                                  |  | Step 2: PUT 0.3 MM GAGE ST-0.4 IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".                  |            |         |   |
|                                  |  | Step 3: USE SOLDERING FIXTURE " ST-008 " , INSERT TOOL " ST-009 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ". |            |         |   |
| This part number complies with RoHS.<br>Notice: JYEBAO reserves the right to make modifications deemed appropriate. |  |                                                                                                                                      |            |         |   |
| APPROVED                                                                                                            |  | CHECKED                                                                                                                              |            | DRAWING |   |
|                                                                                                                     |  |                                                                                                                                      |            | Albert  |   |

# BNC8300-0085

