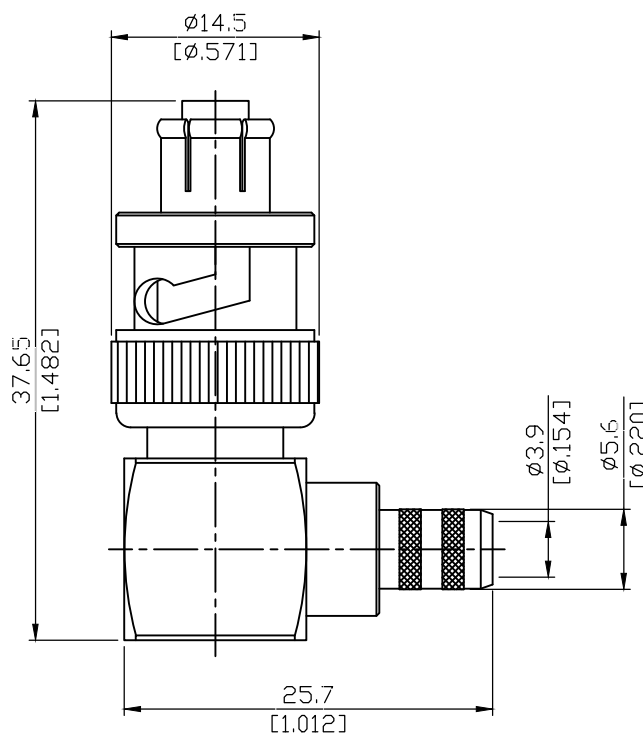


SHV3100-9059

SHV Plug Crimp Right Angle For RG59

50Ω



| Parts        | Material | Plating ( Micro-inch )                                |
|--------------|----------|-------------------------------------------------------|
| Ferrule      | Copper   | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Ferrule      | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Nut          | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Gasket       | Silicone |                                                       |
| Spring       | SK5      | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Washer       | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Contact Pin  | P.Bronze | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator    | Teflon   |                                                       |
| Body         | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Contact Body | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Coupling Nut | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |

Suitable Cables: RG59

This part number complies with RoHS.

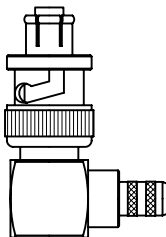
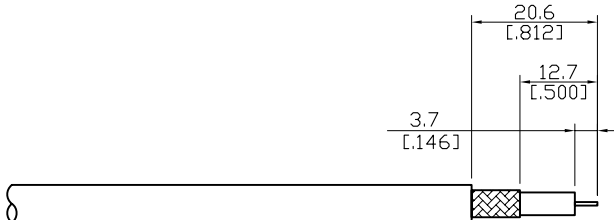
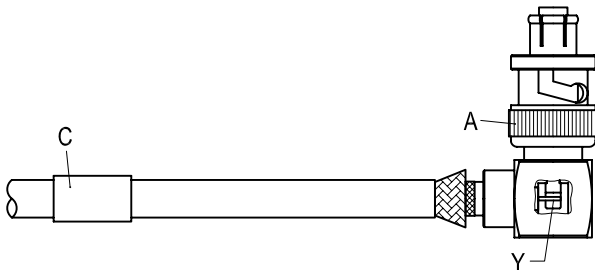
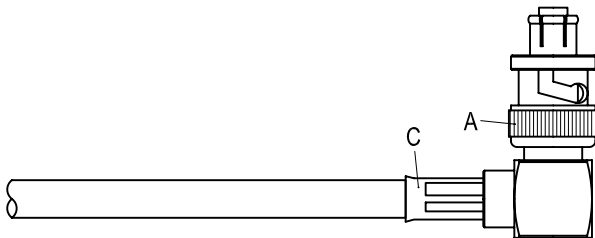
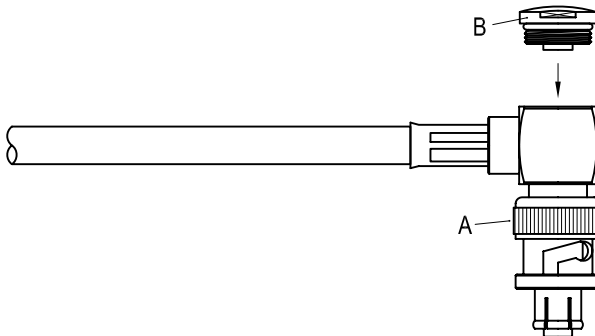
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| SHV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SHV3100-9059                         |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------|---------------------|------------------------------|--------------------------------------|---------------------------|--------------------------------------|------------------------------------|--------------------------------------|------------------------------------|-----------|------------------------------------------------|------------|--------------------------------|------------|
| <div>Interface</div> MIL-STD-348B                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |
| <div>Electrical Data</div> <table> <tr> <td>Impedance</td><td>50Ω</td></tr> <tr> <td>Frequency range</td><td>DC to 300 MHz</td></tr> <tr> <td>Insulation resistance</td><td>≥5000MΩ</td></tr> <tr> <td>Contact resistance inner conductor</td><td>≤2mΩ</td></tr> <tr> <td>Contact resistance outer conductor</td><td>≤1.5mΩ</td></tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td><td>5000 V rms</td></tr> <tr> <td>Working voltage (at sea level)</td><td>3500 V rms</td></tr> </table> |                                      | Impedance                       | 50Ω                 | Frequency range              | DC to 300 MHz                        | Insulation resistance     | ≥5000MΩ                              | Contact resistance inner conductor | ≤2mΩ                                 | Contact resistance outer conductor | ≤1.5mΩ    | Dielectric withstanding voltage (at sea level) | 5000 V rms | Working voltage (at sea level) | 3500 V rms |
| Impedance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 50Ω                                  |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |
| Frequency range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DC to 300 MHz                        |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |
| Insulation resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ≥5000MΩ                              |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |
| Contact resistance inner conductor                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ≤2mΩ                                 |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |
| Contact resistance outer conductor                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ≤1.5mΩ                               |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |
| Dielectric withstanding voltage (at sea level)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5000 V rms                           |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |
| Working voltage (at sea level)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3500 V rms                           |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |
| <div>Mechanical Data</div> <table> <tr> <td>Recommended coupling nut torque</td><td>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>Environmental Data</div> <table> <tr> <td>Temperature range</td><td>-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 103, Condition B</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 103, Condition B | 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 103, Condition B |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |
| Corrosion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MIL-STD-202, Method 101, Condition B |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |
| RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Compliant                            |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |
| <div>Tooling</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |                                 |                     |                              |                                      |                           |                                      |                                    |                                      |                                    |           |                                                |            |                                |            |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |         |                                                                                                                                                                            |         |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|
| SHV3100-9059                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | DATE    | 2014/04/29                                                                                                                                                                 | REV     | — |
| <div><div><div>A</div><div></div><div>BODY</div></div><div><div>B</div><div></div><div>NUT + GASKET<br/>+ INSULATOR</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: WRAP THE BRAIDING UPWARDS.<br>Step 4: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR " A " AND SOLDER IN " Y ". |         |   |
|                                                                                                                                                                                                                                                                                                                                                             |  |         | Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP.<br>(USE 6.5mm/0.256inch HEX SECTION OF INSERT-E)                                                        |         |   |
|                                                                                                                                                                                                                                                                                                                                                             |  |         | Step 6: FINALLY SCREW " B " ON THE CONNECTOR BODY " A ".                                                                                                                   |         |   |
| This part number complies with RoHS.<br>Notice: JYEBAO reserves the right to make modifications deemed appropriate.                                                                                                                                                                                                                                                                                                                            |  |         |                                                                                                                                                                            |         |   |
| APPROVED                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | CHECKED |                                                                                                                                                                            | DRAWING |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |         |                                                                                                                                                                            | Albert  |   |