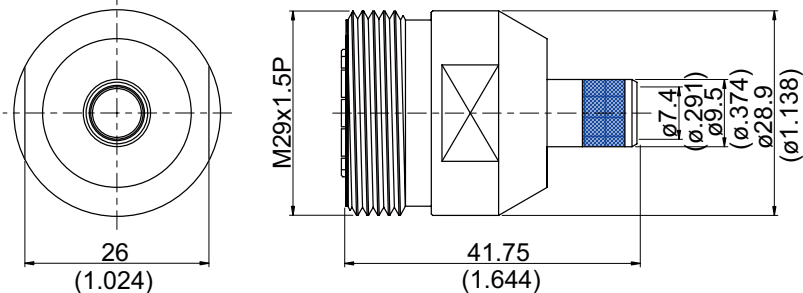


| 7/16-8100-0213 | 7/16 jack crimp for RG213; 4GHz VSWR 1.2 | 50Ω | | | | | | | | | | | | | | | | | | |
|---|---|---|-------|----------|---------------------|---------|-------|--|--------------|-------|--|-------------|-----------------|---|-----------|--------|--|------|-------|--|
|  | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Parts</th> <th style="width: 20%;">Material</th> <th style="width: 60%;">Plating(Micro-inch)</th> </tr> </thead> <tbody> <tr> <td>Ferrule</td> <td>Brass</td> <td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td> </tr> <tr> <td>Contact Body</td> <td>Brass</td> <td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td> </tr> <tr> <td>Contact Pin</td> <td>Phosphor Bronze</td> <td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td> </tr> <tr> <td>Insulator</td> <td>Teflon</td> <td></td> </tr> <tr> <td>Body</td> <td>Brass</td> <td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td> </tr> </tbody> </table> | | | Parts | Material | Plating(Micro-inch) | Ferrule | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | Contact Body | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | Contact Pin | Phosphor Bronze | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 | Insulator | Teflon | | Body | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 |
| Parts | Material | Plating(Micro-inch) | | | | | | | | | | | | | | | | | | |
| Ferrule | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | | | | | | | | | | | | | | | | | | |
| Contact Body | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | | | | | | | | | | | | | | | | | | |
| Contact Pin | Phosphor Bronze | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 | | | | | | | | | | | | | | | | | | |
| Insulator | Teflon | | | | | | | | | | | | | | | | | | | |
| Body | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | | | | | | | | | | | | | | | | | | |
| Suitable Cables: RG213 | | | | | | | | | | | | | | | | | | | | |

This part number complies with RoHS.

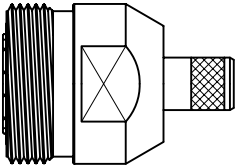


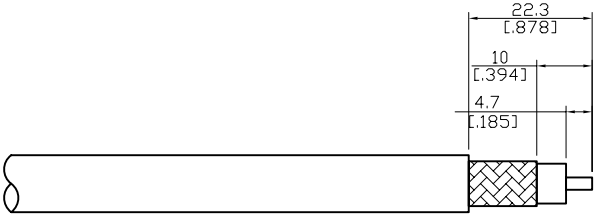
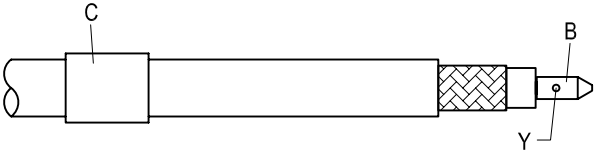
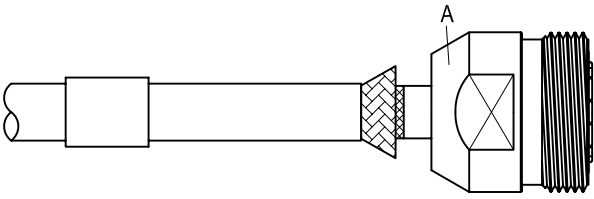
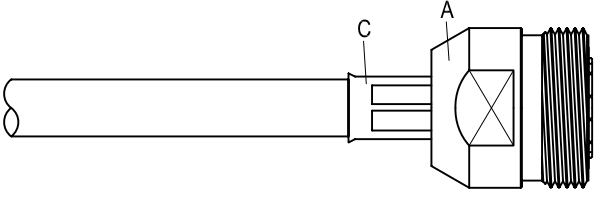
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------------|---------------------------------|-----------------|-----------------------|-------------------------------------|---------------------------|------------------------|---------------------|-------------------------------------|-----------------------|-----------|------------------------------------|---------|------------------------------------|---------|--|------------|--------------------------------|------------|------------|-----------------|
| 7/16 | 7/16-8100-0213 | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> <p>IEC 60169-4</p> | | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Impedance</td> <td style="text-align: right;">50Ω</td> </tr> <tr> <td>Frequency range</td> <td style="text-align: right;">DC to 4GHz</td> </tr> <tr> <td>VSWR</td> <td style="text-align: right;">≤ 1.2 (DC to 4GHz)</td> </tr> <tr> <td>Insertion loss</td> <td style="text-align: right;">≤ 0.05dB</td> </tr> <tr> <td>Insulation resistance</td> <td style="text-align: right;">≥ 10000MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td style="text-align: right;">≤ 0.4mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td style="text-align: right;">≤ 1.5mΩ</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td style="text-align: right;">4000 V rms</td> </tr> <tr> <td>Working Voltage (at sea level)</td> <td style="text-align: right;">2700 V rms</td> </tr> <tr> <td>RF leakage</td> <td style="text-align: right;">≥ 128dB to 1GHz</td> </tr> </table> | | Impedance | 50Ω | Frequency range | DC to 4GHz | VSWR | ≤ 1.2 (DC to 4GHz) | Insertion loss | ≤ 0.05dB | Insulation resistance | ≥ 10000MΩ | Contact resistance inner conductor | ≤ 0.4mΩ | Contact resistance outer conductor | ≤ 1.5mΩ | Dielectric withstanding voltage (at sea level) | 4000 V rms | Working Voltage (at sea level) | 2700 V rms | RF leakage | ≥ 128dB to 1GHz |
| Impedance | 50Ω | | | | | | | | | | | | | | | | | | | | |
| Frequency range | DC to 4GHz | | | | | | | | | | | | | | | | | | | | |
| VSWR | ≤ 1.2 (DC to 4GHz) | | | | | | | | | | | | | | | | | | | | |
| Insertion loss | ≤ 0.05dB | | | | | | | | | | | | | | | | | | | | |
| Insulation resistance | ≥ 10000MΩ | | | | | | | | | | | | | | | | | | | | |
| Contact resistance inner conductor | ≤ 0.4mΩ | | | | | | | | | | | | | | | | | | | | |
| Contact resistance outer conductor | ≤ 1.5mΩ | | | | | | | | | | | | | | | | | | | | |
| Dielectric withstanding voltage (at sea level) | 4000 V rms | | | | | | | | | | | | | | | | | | | | |
| Working Voltage (at sea level) | 2700 V rms | | | | | | | | | | | | | | | | | | | | |
| RF leakage | ≥ 128dB to 1GHz | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Recommended coupling nut torque</td> <td style="text-align: right;">260 inch lbs</td> </tr> <tr> <td>Coupling proof torque</td> <td style="text-align: right;">310 inch lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td style="text-align: right;">≥ 45 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td style="text-align: right;">≥ 500</td> </tr> </table> | | Recommended coupling nut torque | 260 inch lbs | Coupling proof torque | 310 inch lbs | Contact captivation-axial | ≥ 45 lbs | Durability (mating) | ≥ 500 | | | | | | | | | | | | |
| Recommended coupling nut torque | 260 inch lbs | | | | | | | | | | | | | | | | | | | | |
| Coupling proof torque | 310 inch lbs | | | | | | | | | | | | | | | | | | | | |
| Contact captivation-axial | ≥ 45 lbs | | | | | | | | | | | | | | | | | | | | |
| Durability (mating) | ≥ 500 | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Temperature range</td> <td style="text-align: right;">-65°C to +165°C</td> </tr> <tr> <td>Thermal shock</td> <td style="text-align: right;">MIL-STD-202, Method107, Condition B</td> </tr> <tr> <td>Moisture resistance</td> <td style="text-align: right;">MIL-STD-202, Method106</td> </tr> <tr> <td>Corrosion</td> <td style="text-align: right;">MIL-STD-202, Method101, Condition B</td> </tr> <tr> <td>RoHS</td> <td style="text-align: right;">Compliant</td> </tr> </table> | | Temperature range | -65°C to +165°C | Thermal shock | MIL-STD-202, Method107, Condition B | Moisture resistance | MIL-STD-202, Method106 | Corrosion | MIL-STD-202, Method101, Condition B | RoHS | Compliant | | | | | | | | | | |
| Temperature range | -65°C to +165°C | | | | | | | | | | | | | | | | | | | | |
| Thermal shock | MIL-STD-202, Method107, Condition B | | | | | | | | | | | | | | | | | | | | |
| Moisture resistance | MIL-STD-202, Method106 | | | | | | | | | | | | | | | | | | | | |
| Corrosion | MIL-STD-202, Method101, Condition B | | | | | | | | | | | | | | | | | | | | |
| RoHS | Compliant | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Tooling</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Crimping tool</td> <td style="text-align: right;">CRT-1 or CRT-2</td> </tr> <tr> <td>Crimp insert</td> <td style="text-align: right;">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

| 7/16-8100-0213 | DATE | 2017/03/27 | REV | — |
|--|---|---|---------------|---|
| <p>A</p>  <p style="text-align: center;">BODY</p> | <p>B</p>  <p style="text-align: center;">CONTACT PIN</p> | <p>C</p>  <p style="text-align: center;">FERRULE</p> | | |
| DIAGRAM | ASSEMBLY INSTRUCTION | | | |
|  | <p>Step 1: STRIP AS SHOWN.</p> | | | |
|  | <p>Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (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. (USE 10.7mm/0.421inch HEX SECTION OF INSERT-C)</p> | | | |
| <p>This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.</p> | | | | |
| APPROVED | CHECKED | DRAWING | <i>Albert</i> | |

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