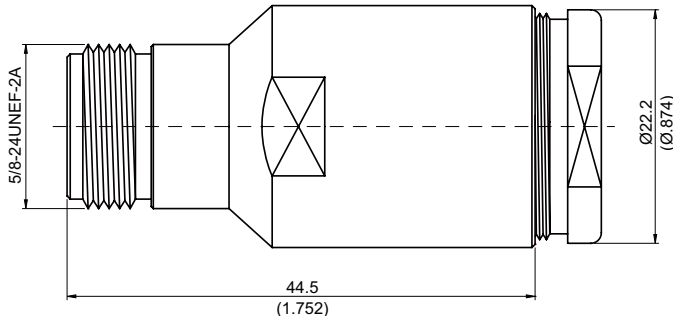


| N8200B-L600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N Jack Clamp For JBY600,LMR600<br>6GHz VSWR1.2 |                                                       | 50Ω |       |          |                      |     |       |                                          |        |       |                                          |        |         |  |             |       |                                          |             |                 |                                                       |           |        |  |      |       |                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------|-----|-------|----------|----------------------|-----|-------|------------------------------------------|--------|-------|------------------------------------------|--------|---------|--|-------------|-------|------------------------------------------|-------------|-----------------|-------------------------------------------------------|-----------|--------|--|------|-------|------------------------------------------|
| <div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                |                                                       |     |       |          |                      |     |       |                                          |        |       |                                          |        |         |  |             |       |                                          |             |                 |                                                       |           |        |  |      |       |                                          |
| <p>Note : Spring finger design ensure easy assembly</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                |                                                       |     |       |          |                      |     |       |                                          |        |       |                                          |        |         |  |             |       |                                          |             |                 |                                                       |           |        |  |      |       |                                          |
| <table><tr><th>Parts</th><th>Material</th><th>Plating (Micro-inch)</th></tr><tr><td>Nut</td><td>Brass</td><td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td></tr><tr><td>Washer</td><td>Brass</td><td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td></tr><tr><td>Gasket</td><td>Silicon</td><td></td></tr><tr><td>Braid Clamp</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></table> |                                                |                                                       |     | Parts | Material | Plating (Micro-inch) | Nut | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | Washer | Brass | Tin-Zinc-Copper-Alloy 100 Over Copper 50 | Gasket | Silicon |  | Braid Clamp | 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)                                  |     |       |          |                      |     |       |                                          |        |       |                                          |        |         |  |             |       |                                          |             |                 |                                                       |           |        |  |      |       |                                          |
| Nut                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Brass                                          | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |     |       |          |                      |     |       |                                          |        |       |                                          |        |         |  |             |       |                                          |             |                 |                                                       |           |        |  |      |       |                                          |
| Washer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Brass                                          | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |     |       |          |                      |     |       |                                          |        |       |                                          |        |         |  |             |       |                                          |             |                 |                                                       |           |        |  |      |       |                                          |
| Gasket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Silicon                                        |                                                       |     |       |          |                      |     |       |                                          |        |       |                                          |        |         |  |             |       |                                          |             |                 |                                                       |           |        |  |      |       |                                          |
| Braid Clamp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 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              |     |       |          |                      |     |       |                                          |        |       |                                          |        |         |  |             |       |                                          |             |                 |                                                       |           |        |  |      |       |                                          |
| <p>Suitable Cables: JBY600, LMR600</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                |                                                       |     |       |          |                      |     |       |                                          |        |       |                                          |        |         |  |             |       |                                          |             |                 |                                                       |           |        |  |      |       |                                          |

This part number complies with RoHS.

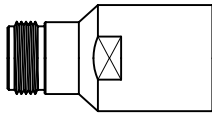
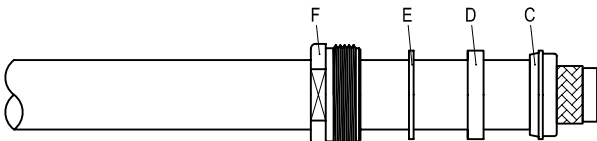
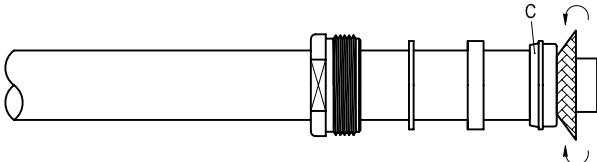
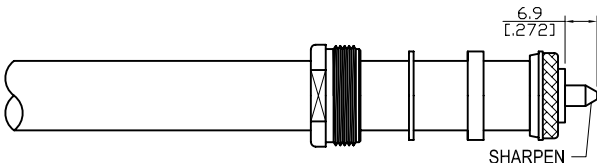
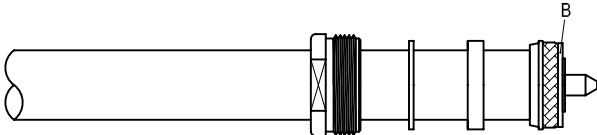
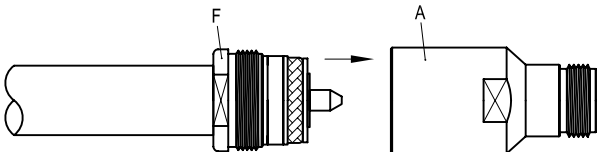
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | N8200B-L600                                |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------|------------------|-----------------------|--------------------------------------|---------------------------|-------------------------|---------------------|--------------------------------------------|-----------------------|---------------------------|------------------------------------|--------------------------|------------------------------------|------------------------|------------------------------------------------|------------|--------------------------------|------------|
| <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 6GHz</td></tr> <tr> <td>VSWR</td><td><math>\leq 1.2</math> (DC to 6GHz)</td></tr> <tr> <td>Insertion loss</td><td><math>\leq 0.05 \times \sqrt{f(\text{GHz})}</math> dB</td></tr> <tr> <td>Insulation resistance</td><td><math>\geq 5000\text{M}\Omega</math></td></tr> <tr> <td>Contact resistance inner conductor</td><td><math>\leq 1.5\text{m}\Omega</math></td></tr> <tr> <td>Contact resistance outer conductor</td><td><math>\leq 1\text{m}\Omega</math></td></tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td><td>2500 V rms</td></tr> <tr> <td>Working voltage (at sea level)</td><td>1000 V rms</td></tr> </table> |                                            | Impedance                       | 50Ω              | Frequency range       | DC to 6GHz                           | VSWR                      | $\leq 1.2$ (DC to 6GHz) | Insertion loss      | $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB | Insulation resistance | $\geq 5000\text{M}\Omega$ | Contact resistance inner conductor | $\leq 1.5\text{m}\Omega$ | Contact resistance outer conductor | $\leq 1\text{m}\Omega$ | Dielectric withstanding voltage (at sea level) | 2500 V rms | Working voltage (at sea level) | 1000 V rms |
| Impedance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 50Ω                                        |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| Frequency range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DC to 6GHz                                 |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| VSWR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\leq 1.2$ (DC to 6GHz)                    |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| Insertion loss                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| Insulation resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\geq 5000\text{M}\Omega$                  |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| Contact resistance inner conductor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\leq 1.5\text{m}\Omega$                   |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| Contact resistance outer conductor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\leq 1\text{m}\Omega$                     |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| Dielectric withstanding voltage (at sea level)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2500 V rms                                 |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| Working voltage (at sea level)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1000 V rms                                 |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| <div>Mechanical Data</div> <table> <tr> <td>Recommended coupling nut torque</td><td>6 to 10 inch lbs</td></tr> <tr> <td>Coupling proof torque</td><td>15 inch lbs</td></tr> <tr> <td>Contact captivation-axial</td><td><math>\geq 6.3</math> lbs</td></tr> <tr> <td>Durability (mating)</td><td><math>\geq 500</math></td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            | Recommended coupling nut torque | 6 to 10 inch lbs | Coupling proof torque | 15 inch lbs                          | Contact captivation-axial | $\geq 6.3$ lbs          | Durability (mating) | $\geq 500$                                 |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| Recommended coupling nut torque                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6 to 10 inch lbs                           |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| Coupling proof torque                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 15 inch lbs                                |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| Contact captivation-axial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\geq 6.3$ lbs                             |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| Durability (mating)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | $\geq 500$                                 |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |
| <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 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>Tooling</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                            |                                 |                  |                       |                                      |                           |                         |                     |                                            |                       |                           |                                    |                          |                                    |                        |                                                |            |                                |            |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                     |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |   |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|
| N8200B-L600                                                                                                         |                                                                                   | DATE                                                                              | 2017/09/05                                                                              |                                                                                     | REV                                                                                 | — |
| A                                                                                                                   | B                                                                                 | C                                                                                 | D                                                                                       | E                                                                                   | F                                                                                   |   |
|                                    |  |  |        |  |  |   |
| BODY                                                                                                                | WASHER                                                                            | BRAID CLAMP                                                                       | GASKET                                                                                  | WASHER                                                                              | NUT                                                                                 |   |
| DIAGRAM                                                                                                             |                                                                                   |                                                                                   | ASSEMBLY INSTRUCTION                                                                    |                                                                                     |                                                                                     |   |
|                                    |                                                                                   |                                                                                   | Step 1: STRIP AS SHOWN.                                                                 |                                                                                     |                                                                                     |   |
|                                   |                                                                                   |                                                                                   | Step 2: SLIDE NUT " F " 、 WASHER " E " 、 GASKET " D " AND BRAID CLAMP " C " OVER CABLE. |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 3: WRAP THE BRAIDING OVER " C ".                                                   |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 4: STRIP AS SHOWN.<br>Step 5: SHARPEN CENTER CONDUCTOR TIP.                        |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 6: SLIDE PREPARED CABLE INTO WASHER " B ".                                         |                                                                                     |                                                                                     |   |
|                                  |                                                                                   |                                                                                   | Step 7: FINALLY SCREW " F " 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                                                                              |                                                                                     |   |

# N8200B-L600

S11

