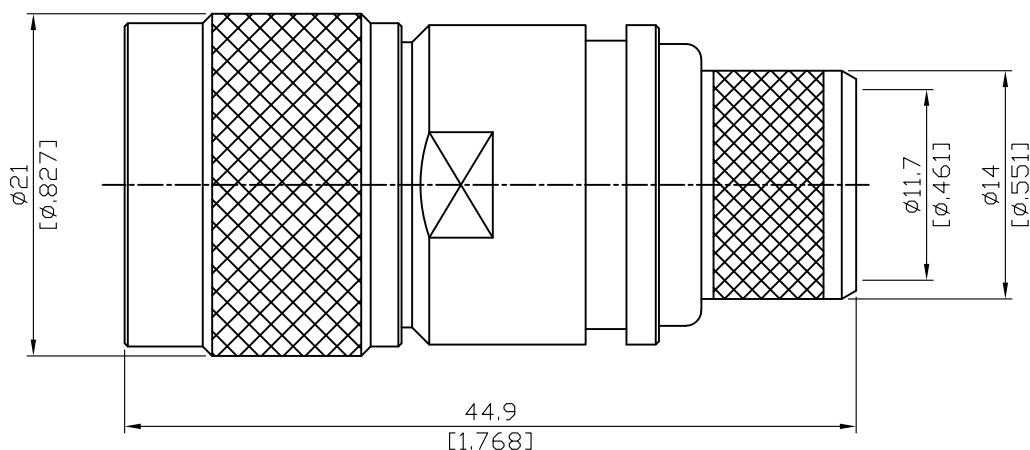


N31EZ-L600

N Plug Crimp For JBY600, LMR600  
3GHz VSWR 1.3

50Ω



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

Suitable Cables: JBY600, LMR600

This part number complies with RoHS.

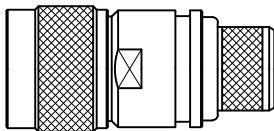
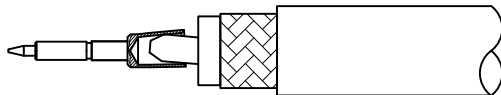
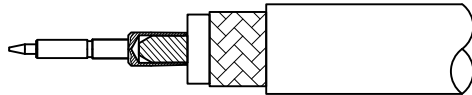
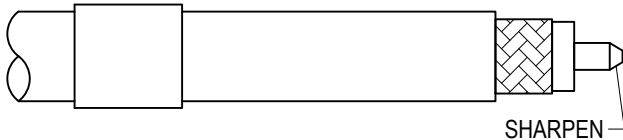
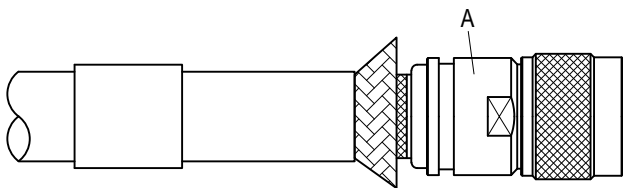
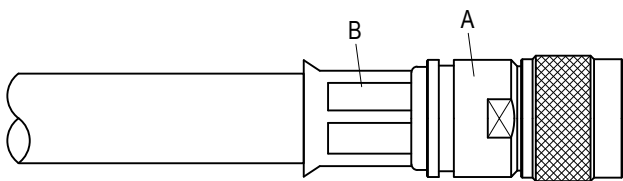
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N31EZ-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 3GHz</td></tr> <tr> <td>VSWR</td><td>≤ 1.3 (DC to 3GHz)</td></tr> <tr> <td>Insertion loss</td><td>≤ 0.05 x √f(GHz) dB</td></tr> <tr> <td>Insulation resistance</td><td>≥ 5000MΩ</td></tr> <tr> <td>Contact resistance inner conductor</td><td>≤ 1.5mΩ</td></tr> <tr> <td>Contact resistance outer conductor</td><td>≤ 1mΩ</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 3GHz                           | VSWR                         | ≤ 1.3 (DC to 3GHz)      | Insertion loss            | ≤ 0.05 x √f(GHz) dB                  | Insulation resistance | ≥ 5000MΩ  | Contact resistance inner conductor | ≤ 1.5mΩ | Contact resistance outer conductor | ≤ 1mΩ | Dielectric withstanding voltage (at sea level) | 2500 V rms | Working voltage (at sea level) | 1000 V rms |
| Impedance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 50Ω                                  |                                 |                  |                       |                                      |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |
| Frequency range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DC to 3GHz                           |                                 |                  |                       |                                      |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |
| VSWR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ≤ 1.3 (DC to 3GHz)                   |                                 |                  |                       |                                      |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |
| Insertion loss                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ≤ 0.05 x √f(GHz) dB                  |                                 |                  |                       |                                      |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |
| Insulation resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ≥ 5000MΩ                             |                                 |                  |                       |                                      |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |
| Contact resistance inner conductor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ≤ 1.5mΩ                              |                                 |                  |                       |                                      |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |
| Contact resistance outer conductor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ≤ 1mΩ                                |                                 |                  |                       |                                      |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |
| 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>Coupling nut retention force</td><td>≥ 101.2 lbs</td></tr> <tr> <td>Contact captivation-axial</td><td>≥ 6.3 lbs</td></tr> <tr> <td>Durability (mating)</td><td>≥ 500</td></tr> </table>                                                                                                                                                                                                                                              |                                      | Recommended coupling nut torque | 6 to 10 inch lbs | Coupling proof torque | 15 inch lbs                          | Coupling nut retention force | ≥ 101.2 lbs             | Contact captivation-axial | ≥ 6.3 lbs                            | Durability (mating)   | ≥ 500     |                                    |         |                                    |       |                                                |            |                                |            |
| Recommended coupling nut torque                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6 to 10 inch lbs                     |                                 |                  |                       |                                      |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |
| Coupling proof torque                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 15 inch lbs                          |                                 |                  |                       |                                      |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |
| Coupling nut retention force                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ≥ 101.2 lbs                          |                                 |                  |                       |                                      |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |
| Contact captivation-axial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ≥ 6.3 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 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> <table> <tr> <td>Crimping tool</td><td>CRT-3</td></tr> <tr> <td>Crimp insert</td><td>INSERT-FA</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      | Crimping tool                   | CRT-3            | Crimp insert          | INSERT-FA                            |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |
| Crimping tool                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CRT-3                                |                                 |                  |                       |                                      |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |
| Crimp insert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | INSERT-FA                            |                                 |                  |                       |                                      |                              |                         |                           |                                      |                       |           |                                    |         |                                    |       |                                                |            |                                |            |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                        |            |         |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---|
| N31EZ-L600                                                                                                                                                                                                                                                               |  | DATE                                                                                                                                                                                                                                                                                                                                                                   | 2014/04/29 | REV     | — |
| <div><div>A</div><div></div><div>BODY</div></div> <div><div>B</div><div></div><div>FERRULE</div></div> |  | <div>NOTE: THE STRIPPED CABLE AND POINTED CENTER CONDUCTOR MUST BE STRAIGHT (180°), IF NOT LEAVES WILL BREAK EASILY.</div> <div><div>NG</div><div></div></div> <div><div>OK</div><div></div></div> |            |         |   |
| DIAGRAM                                                                                                                                                                                                                                                                  |  | ASSEMBLY INSTRUCTION                                                                                                                                                                                                                                                                                                                                                   |            |         |   |
|                                                                                                                                                                                        |  | Step 1: STRIP AS SHOWN.                                                                                                                                                                                                                                                                                                                                                |            |         |   |
|                                                                                                                                                                                       |  | <div>Step 2: SHARPEN CENTER CONDUCTOR TIP.</div> <div>Step 3: SLIDE FERRULE " B " OVER CABLE.</div> <div>NOTE: THE STRIPPED CABLE AND POINTED CENTER CONDUCTOR MUST BE STRAIGHT (180°), IF NOT LEAVES WILL BREAK EASILY.</div>                                                                                                                                         |            |         |   |
|                                                                                                                                                                                       |  | Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.                                                                                                                                                                                                                                                                                                            |            |         |   |
|                                                                                                                                                                                       |  | <div>Step 5: SLIDE FERRULE " B " TOWARDS THE CONNECTOR " A " AND CRIMP.</div> <div>(USE 15.5mm/0.610inch HEX SECTION OF INSERT-FA)</div>                                                                                                                                                                                                                               |            |         |   |
| <div>This part number complies with RoHS.</div> <div>Notice: JYEBAO reserves the right to make modifications deemed appropriate.</div>                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                        |            |         |   |
| APPROVED                                                                                                                                                                                                                                                                 |  | CHECKED                                                                                                                                                                                                                                                                                                                                                                |            | DRAWING |   |
|                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                        |            | Albert  |   |

# N31EZ-L600

S11

