

N8105A-9L100/HS	N Jack Crimp Bulkhead Right Angle For JBY100; IP67 Mated & Unmated; 4GHz VSWR 1.2	50Ω
The technical drawing includes three views of the N8105A-9L100/HS connector: Front View (Top): Shows a circular profile with a 19 HEX outer diameter [1.748] and an inner diameter of 13.2 [.520]. Side View (Middle): Shows the side profile with a total height of 36.7 [1.445], a base thickness of 3.2 [.126], a central section height of 24 [.945], and a maximum gasket thickness of MAX. .8 [.315]. The top flange has a diameter of Ø21 [Ø.827] and a thread specification of 5/8-24UNEF-2A. MOUNTING HOLE View (Right): A circular view showing a mounting hole with a diameter of Ø16.1 [Ø.634] and a square hole width of 13.7 [.539]. Bottom View (Bottom): Shows the bottom profile with a total length of 27.4 [1.079], a pin diameter of Ø2.85 [Ø.112], and a pin length of Ø5 [Ø.197].		
Parts	Material	Plating (Micro-inch)
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Contact Pin	Phosphor Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Gasket	Silicone	
Lock Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Hex Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Suitable Cables: JBY100, LMR100		

This part number complies with RoHS.

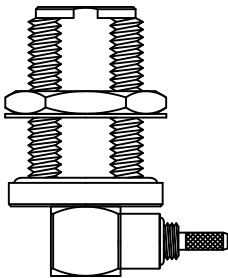
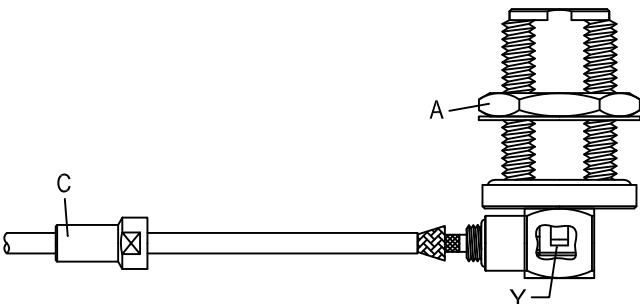
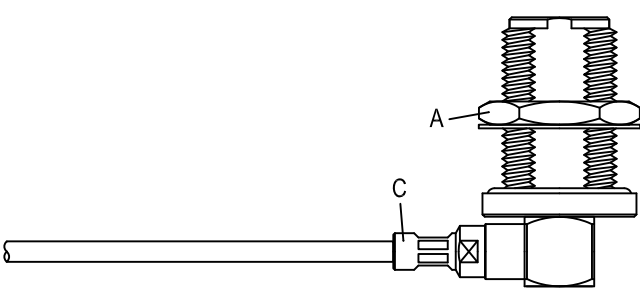
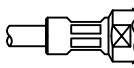
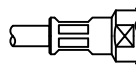
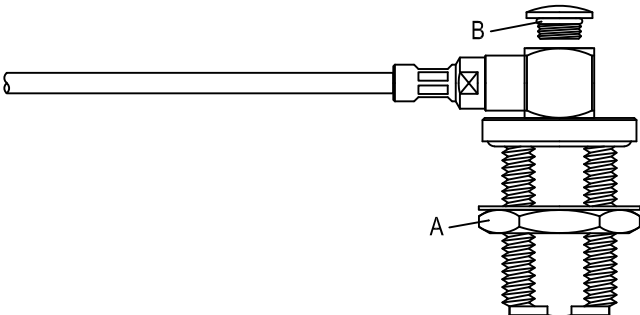
Notice: JYBAO reserves the right to make modifications deemed appropriate.

N	N8105A-9L100/HS
Interface MIL-STD-348B	
Electrical Data Impedance 50Ω Frequency range DC to 4GHz VSWR ≤ 1.2 (DC to 4GHz) 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	
Mechanical Data Recommended coupling nut torque 6 to 10 inch lbs Coupling proof torque 15 inch lbs Contact captivation-axial ≥ 6.3 lbs Durability (mating) ≥ 500	
Environmental Data 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	
Tooling Crimping tool CRT-1 or CRT-2 Crimp insert INSERT-D4	

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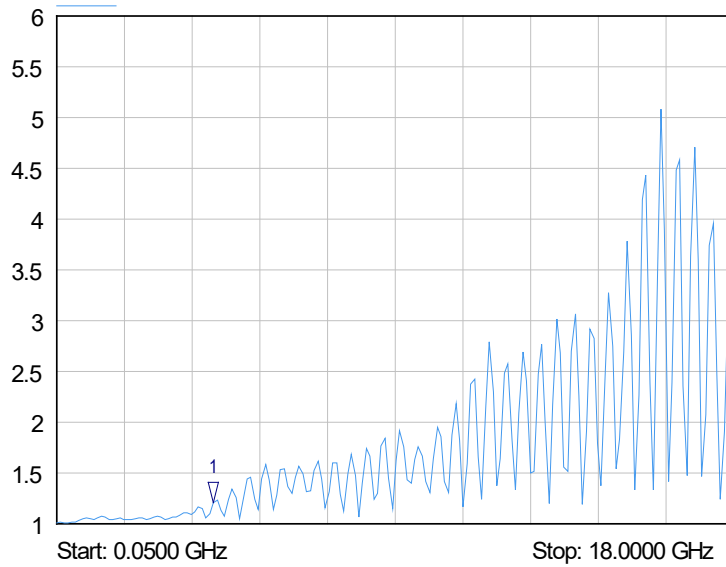
JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

N8105A-9L100/HS		DATE	2020/12/15	REV	—
A  BODY		B  COVER + GASKET		C  FERRULE + GASKET	
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: SLIDE FERRULE " C " OVER CABLE. Step 2: STRIP AS SHOWN.			
 C A Y		Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: WRAP THE BRAIDING UPWARDS. Step 4: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR " A " AND SOLDER IN " Y ".			
 C A		Step 5: SCREW FERRULE " C " ON THE CONNECTOR BODY " A " AND CRIMP. (USE 4.5mm/0.177inch HEX SECTION OF INSERT-D4) ※ CRIMP THE FERRULE CLOSE TO CONNECTOR BODY. OK NG			
 B A		Step 6: FINALLY SCREW COVER " B " ON THE CONNECTOR BODY " A ".			
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APPROVED		CHECKED		DRAWING <i>Albert</i>	

N8105A-9L100/HS

SoftPlot Measurement Presentation
VSWR S22



1 S22
▽ 4.2032 GHz
1.21 VSWR