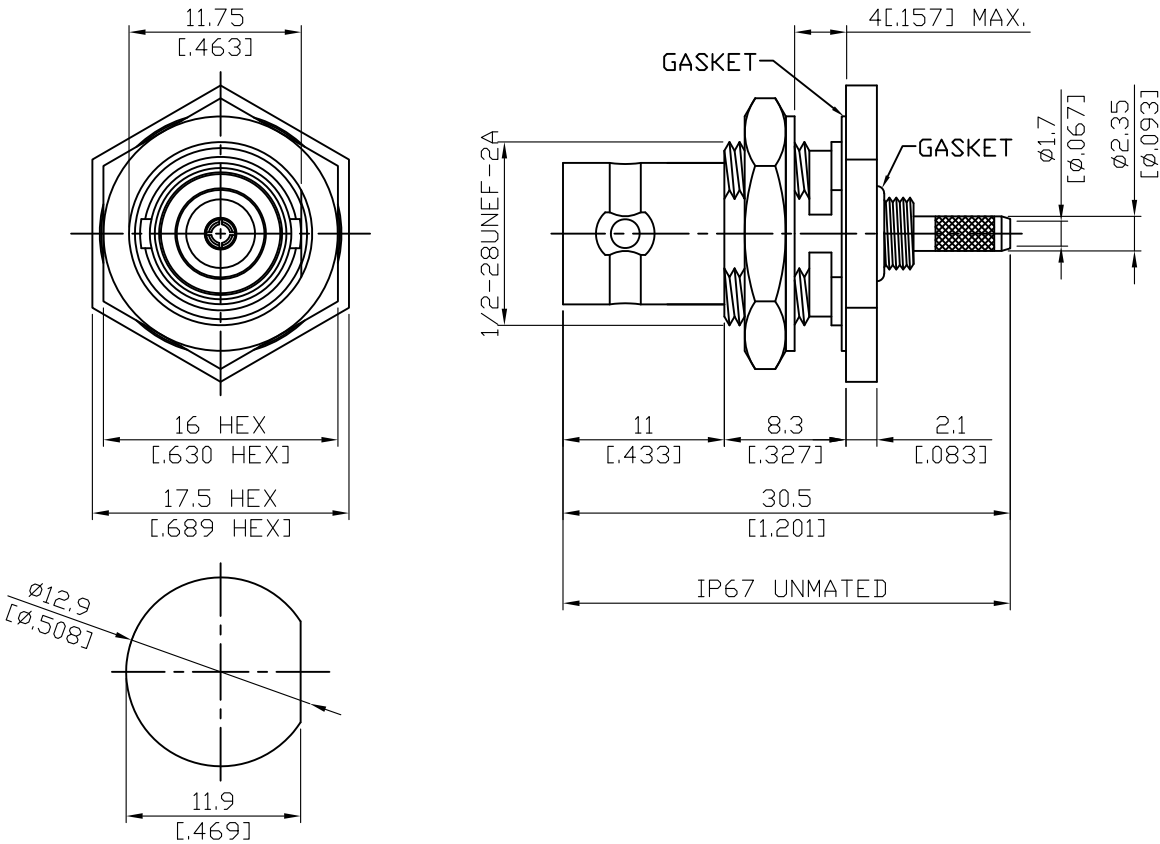


BNC8105-L100/IP67U		BNC jack crimp bulkhead, IP67 Unmated; For JBY100,LMR100; 4GHz VSWR1.2	50Ω
 MOUNTING HOLE			
Parts	Material	Plating (Micro-inch)	
Ferrule	Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50	
Hex Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50	
Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50	
Gasket	Silicone		
Barrel	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	
Small Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50	
Suitable Cables: JBY100,LMR100			

This part number complies with RoHS.

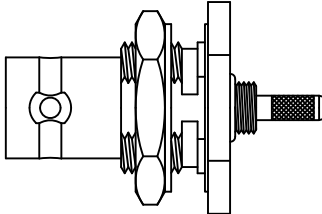
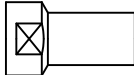
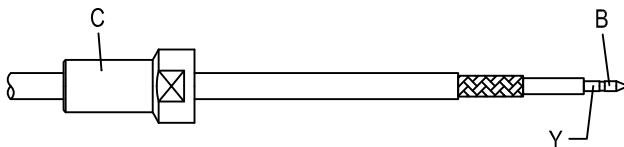
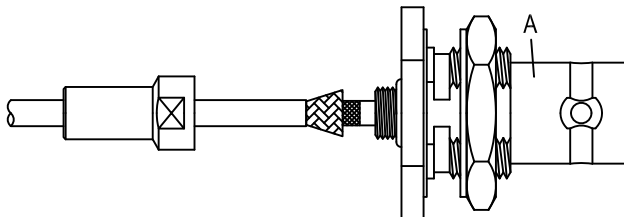
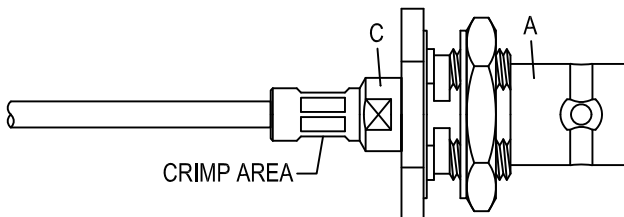
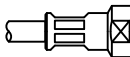
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

BNC	BNC8105-L100/IP67U
Interface MIL-STD-348B	
Electrical Data Impedance 50Ω Frequency range DC to 4GHz VSWR ≤ 1.2 (DC to 4GHz) Insertion loss $\leq 0.1 \times \sqrt{f(\text{GHz})}\text{dB}$ 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) 1500 V rms Working voltage (at sea level) 500 V rms	
Mechanical Data Recommended coupling nut torque 0.6 to 2.5 inch lbs Contact captivation-axial ≥ 6.1 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-A, INSERT-D4	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

BNC8105-L100/IP67U		DATE	2022/03/10	REV	—
A  BODY + GASKET + WASHER + HEX NUT		B  CONTACT PIN		C  FERRULE + GASKET	
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND CRIMP IN " Y ". (USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A)			
		Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.			
 CRIMP AREA		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			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	