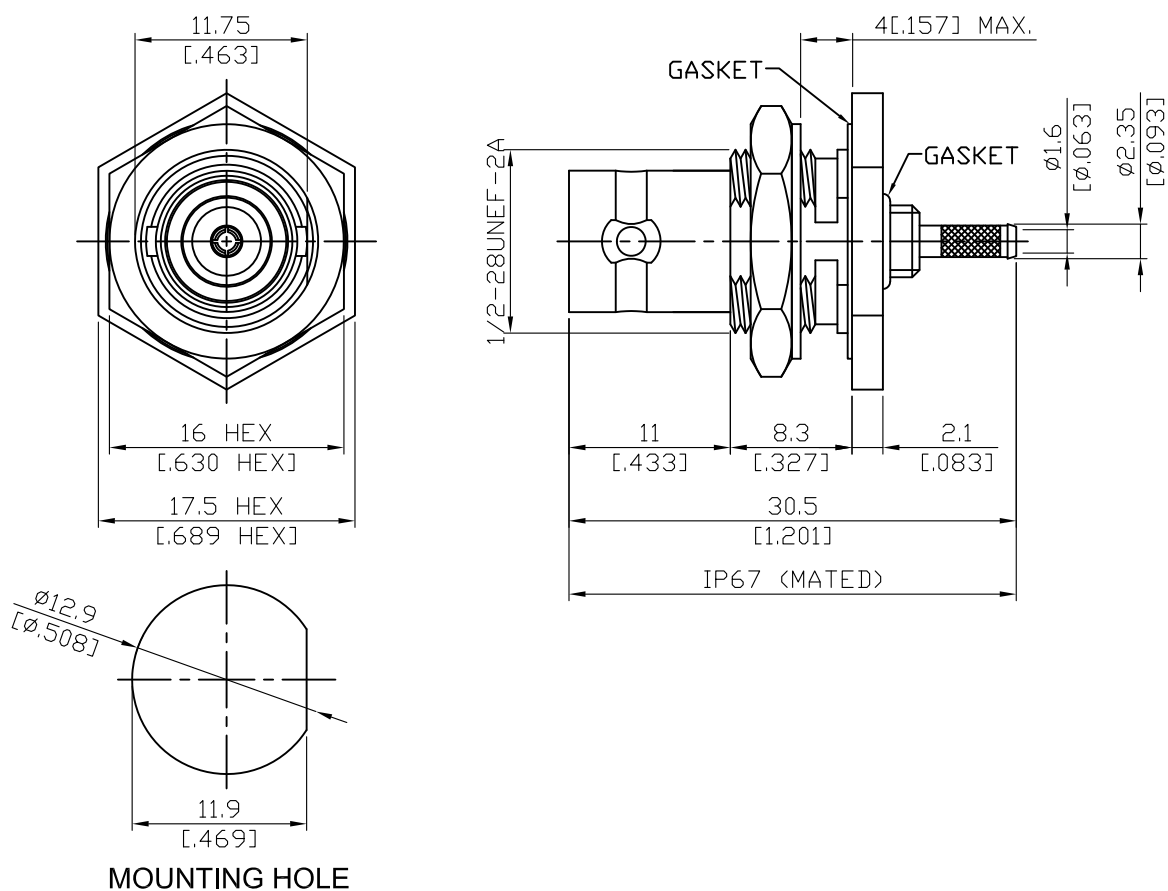


BNC8105-0316/IP67A

BNC Jack Crimp Bulkhead For RG174, RG188, RG316
IP67 Mated; 3GHz VSWR 1.2

50Ω



Parts	Material	Plating (Micro-inch)
Ferrule	Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Small Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Hex Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Lock Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
Contact Pin	P. Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables: RG174, RG188, RG316, RG316-FEP

This part number complies with RoHS.

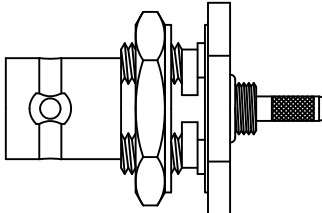
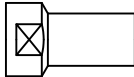
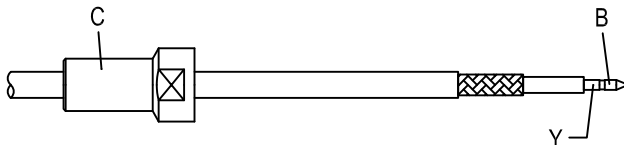
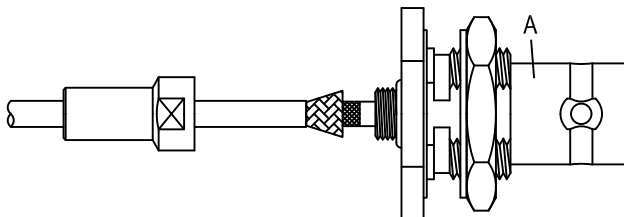
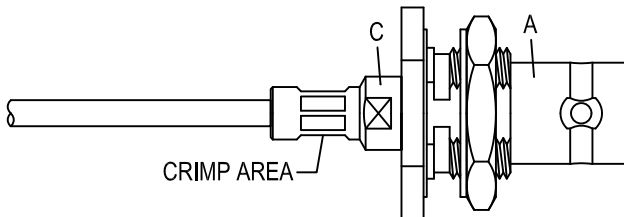
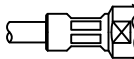
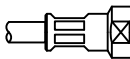
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

BNC	BNC8105-0316/IP67A																		
Interface MIL-STD-348B																			
Electrical Data <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>≤ 1.2 (DC to 3GHz)</td></tr> <tr> <td>Insertion loss</td><td>≤ 0.1 x $\sqrt{f(\text{GHz})}$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>1500 V rms</td></tr> <tr> <td>Working voltage (at sea level)</td><td>500 V rms</td></tr> </table>		Impedance	50Ω	Frequency range	DC to 3GHz	VSWR	≤ 1.2 (DC to 3GHz)	Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ dB	Insulation resistance	≥ 5000MΩ	Contact resistance inner conductor	≤ 1.5mΩ	Contact resistance outer conductor	≤ 1mΩ	Dielectric withstanding voltage (at sea level)	1500 V rms	Working voltage (at sea level)	500 V rms
Impedance	50Ω																		
Frequency range	DC to 3GHz																		
VSWR	≤ 1.2 (DC to 3GHz)																		
Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ dB																		
Insulation resistance	≥ 5000MΩ																		
Contact resistance inner conductor	≤ 1.5mΩ																		
Contact resistance outer conductor	≤ 1mΩ																		
Dielectric withstanding voltage (at sea level)	1500 V rms																		
Working voltage (at sea level)	500 V rms																		
Mechanical Data <table> <tr> <td>Recommended coupling nut torque</td><td>0.6 to 2.5 inch lbs</td></tr> <tr> <td>Contact captivation-axial</td><td>≥ 6.1 lbs</td></tr> <tr> <td>Durability (mating)</td><td>≥ 500</td></tr> </table>		Recommended coupling nut torque	0.6 to 2.5 inch lbs	Contact captivation-axial	≥ 6.1 lbs	Durability (mating)	≥ 500												
Recommended coupling nut torque	0.6 to 2.5 inch lbs																		
Contact captivation-axial	≥ 6.1 lbs																		
Durability (mating)	≥ 500																		
Environmental Data <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																		
Tooling <table> <tr> <td>Crimping tool</td><td>CRT-1 or CRT-2</td></tr> <tr> <td>Crimp insert</td><td>INSERT-A & INSERT-D4</td></tr> </table>		Crimping tool	CRT-1 or CRT-2	Crimp insert	INSERT-A & INSERT-D4														
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

BNC8105-0316/IP67A		DATE	2019/04/13	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.		
			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	

BNC8105-0316/IP67A

