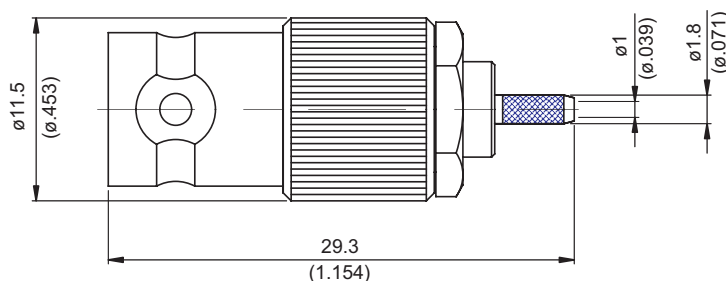


BNC8100-0178

**BNC jack crimp for RG178,RG178-FEP
3GHz VSWR 1.35**

50Ω



Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
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
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Weight: 11.03 g

Suitable Cables: RG178,RG178-FEP,RG196

This part number complies with RoHS.

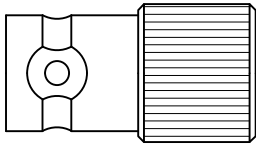
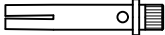
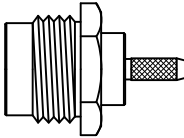
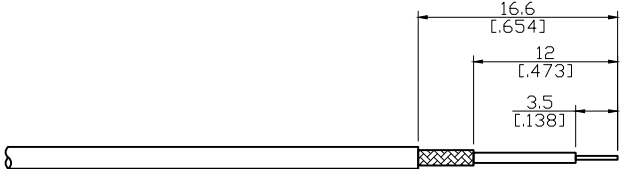
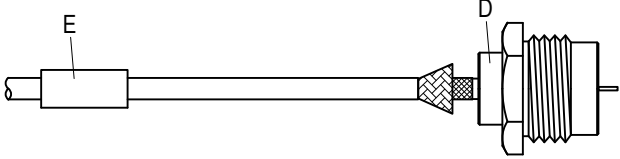
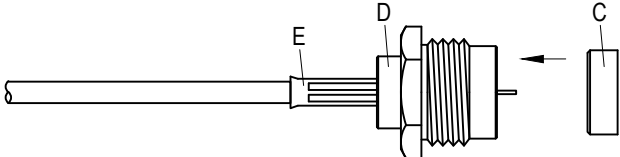
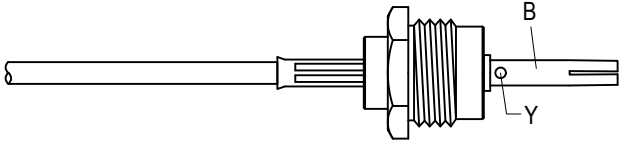
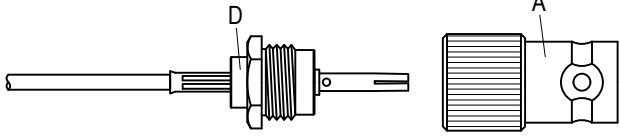
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

BNC	BNC8100-0178																		
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>≤ 1.35 (DC to 3GHz)</td></tr> <tr> <td>Insertion loss</td><td>$\leq 0.1 \times \sqrt{f(\text{GHz})}\text{dB}$</td></tr> <tr> <td>Insulation resistance</td><td>$\geq 5000\text{M}\Omega$</td></tr> <tr> <td>Contact resistance inner conductor</td><td>$\leq 1.5\text{m}\Omega$</td></tr> <tr> <td>Contact resistance outer conductor</td><td>$\leq 1\text{m}\Omega$</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	≤ 1.35 (DC to 3GHz)	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
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JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

BNC8100-0178		DATE	2020/01/20	REV	—
A	B	C	D	E	
					
BODY	CONTACT PIN	INSULATOR	BARREL	FERRULE	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE FERRULE " E " OVER CABLE . Step 3: LOOSEN BRAIDING AND SLIDE BARREL " D " IN PLACE.		
			Step 4: SLIDE FERRULE " E " TOWARDS THE BARREL " D " AND CRIMP. (USE 2.7mm/0.106inch HEX SECTION OF INSERT-A) Step 5: SLIDE INSULATOR " C " INTO BARREL " D ".		
			Step 6: PUT CONTACT PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y " .		
			Step 7: FINALLY SCREW BARREL " D " ON THE CONNECTOR BODY " A " .		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

BNC8100-0178

S11

