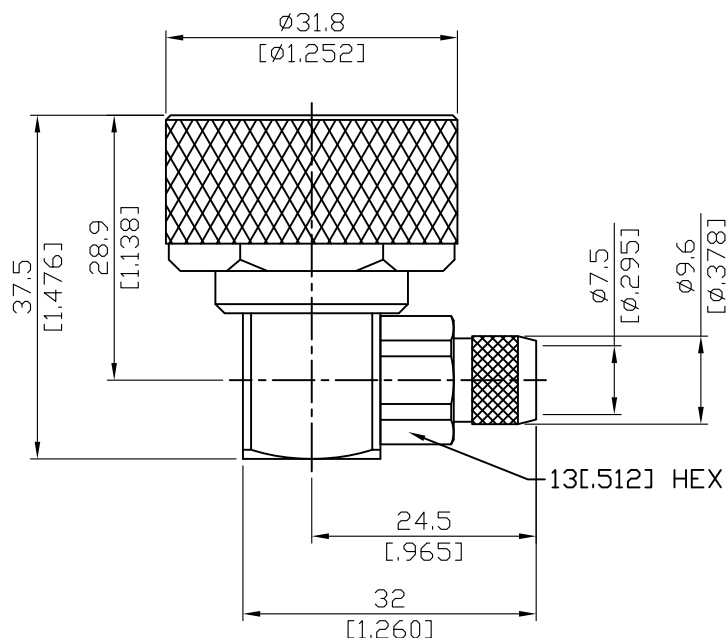


7/16-3100-9214

7/16 plug crimp right angle for RG214;
1.8GHz VSWR 1.2

50Ω



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

Suitable Cables: RG214

This part number complies with RoHS.

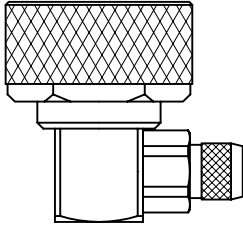
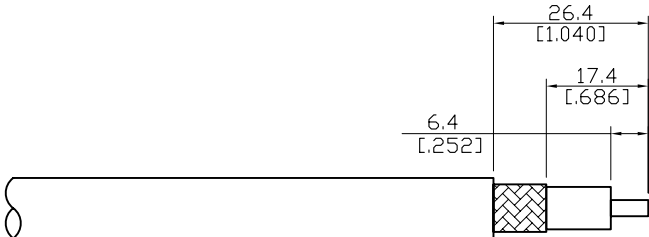
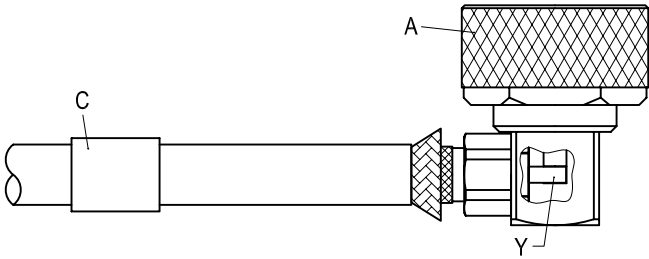
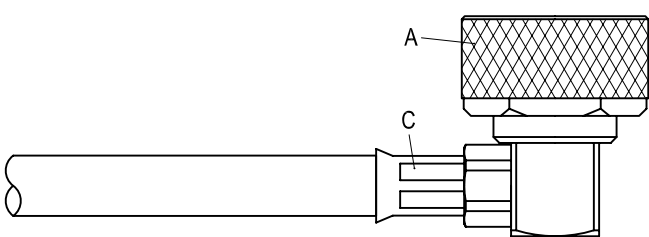
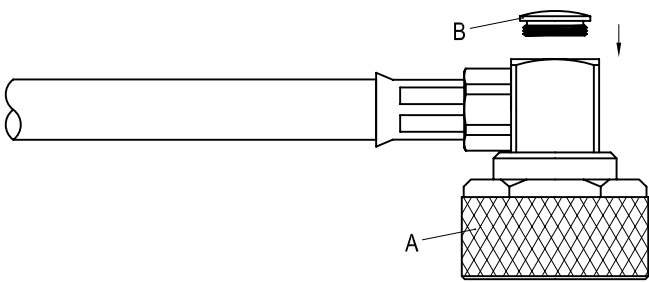
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

7/16	7/16-3100-9214
Interface IEC 60169-4	
Electrical Data Impedance 50Ω Frequency range DC to 1.8GHz VSWR ≤ 1.2 (DC to 1.8GHz) Insertion loss $\leq 0.05\text{dB}$ Insulation resistance $\geq 10000\text{M}\Omega$ Contact resistance inner conductor $\leq 0.4\text{m}\Omega$ Contact resistance outer conductor $\leq 1.5\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 4000 V rms Working Voltage (at sea level) 2700 V rms RF leakage $\geq 128\text{dB}$ to 1GHz	
Mechanical Data Recommended coupling nut torque 260 inch lbs Coupling proof torque 310 inch lbs Coupling nut retention force ≥ 221 lbs Contact captivation-axial ≥ 45 lbs Durability (mating) ≥ 500	
Environmental Data Temperature range -65°C to +165°C Thermal shock MIL-STD-202, Method107, Condition B Moisture resistance MIL-STD-202, Method106 Corrosion MIL-STD-202, Method101, Condition B RoHS Compliant	
Tooling Crimping tool CRT-1 or CRT-2 Crimp insert INSERT-C	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

7/16-3100- 9214		DATE	2017/10/06	REV	—
A  BODY B  NUT C  FERRULE					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			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 ".		
			Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 10.7mm/0.421inch HEX SECTION OF INSERT-C)		
			Step 6: FINALLY SCREW " B " 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	

7/16-3100-9214

S11

