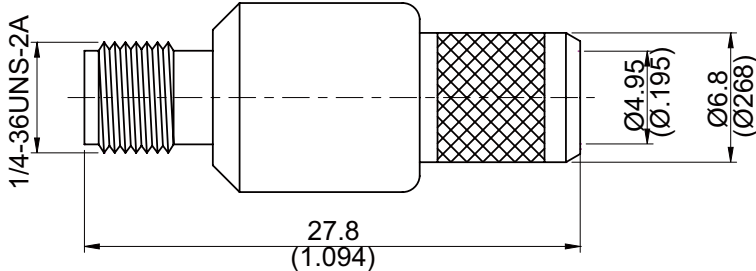


SMA8100-L300		SMA Jack Crimp For JBY300, LMR300 6GHz VSWR 1.2 50Ω
		
Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 4 Over Nickel-Phosphorus 80 Over Copper 20
Barrel	Brass	Gold 4 Over Nickel-Phosphorus 80 Over Copper 20
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus 80 Over Copper 20
Suitable Cables: JBY300, LMR300		

This part number complies with RoHS.

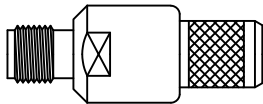
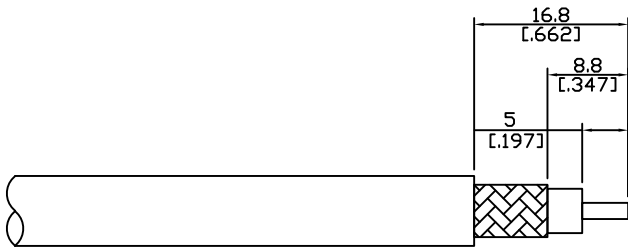
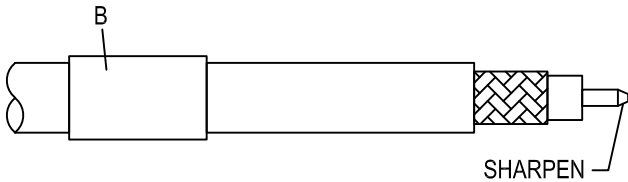
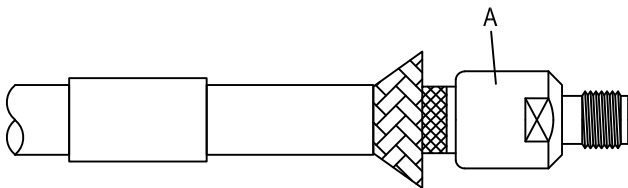
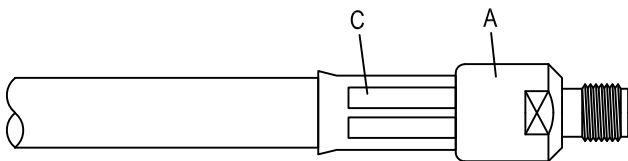
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA8100-L300
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 6GHz VSWR ≤ 1.2 (DC to 6GHz) Insertion loss $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 3\text{m}\Omega$ Contact resistance outer conductor $\leq 2\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 750 V rms Working voltage (at sea level) 250 V rms	
Mechanical Data Recommended coupling nut torque 4 inch lbs Coupling proof torque 5.3 inch lbs Contact Captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 100	
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-D	

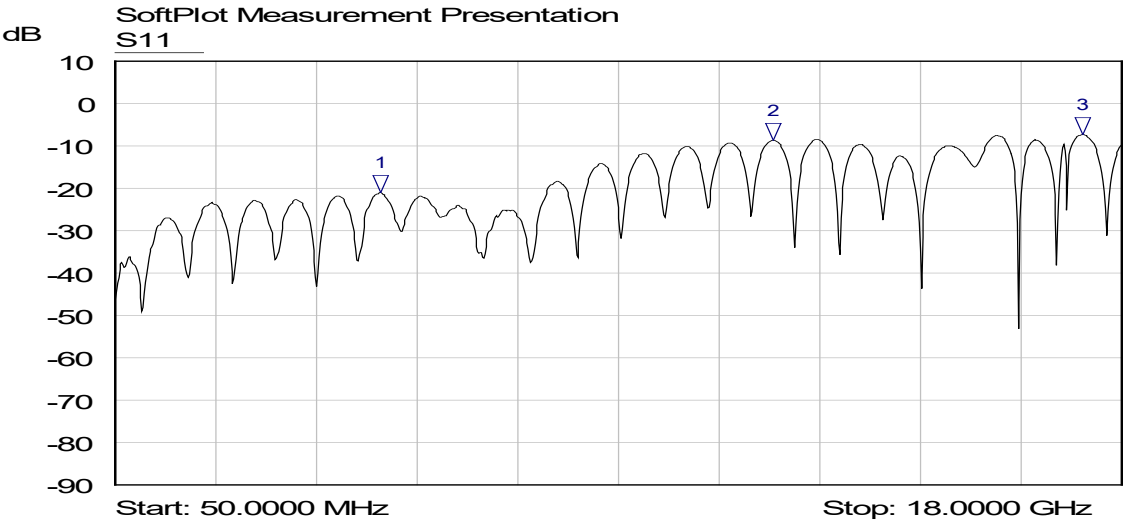
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JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

SMA8100-L300		DATE	2015/12/15	REV	—
A			B		
					
BODY			FERRULE		
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SHARPEN CENTER CONDUCTOR TIP. Step 3: SLIDE FERRULE " C " OVER CABLE.		
			Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.		
			Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 7.9mm/0.311inch HEX SECTION OF INSERT-D)		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA8100-L300



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	4.7821 GHz	-20.93 dB	
2 ▽	S11	11.7904 GHz	-8.70 dB	
3 ▽	S11	17.3012 GHz	-7.34 dB	