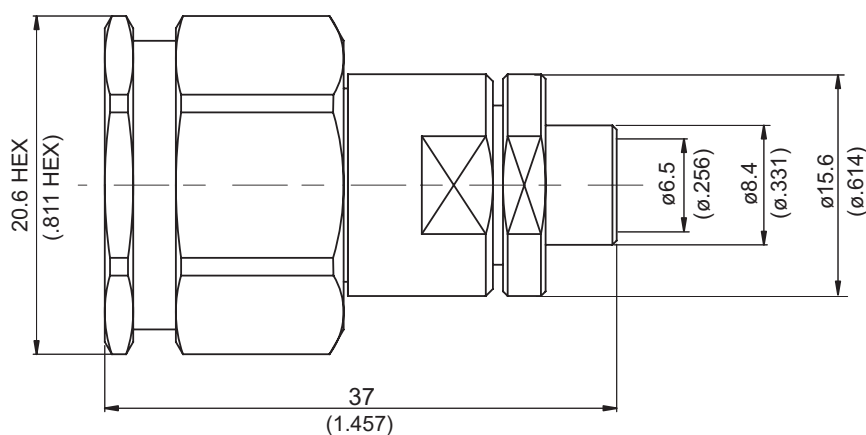


SC3300A-0250

**SC Plug Solder Clamp For RG401;
6GHz VSWR 1.2 & 11GHz VSWR 1.3**

50Ω



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

Weight: 41.88 g

Suitable Cables: Semi-rigid .250

This part number complies with RoHS.

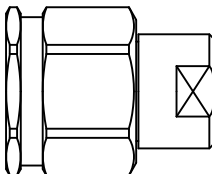
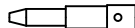
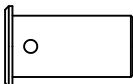
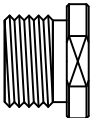
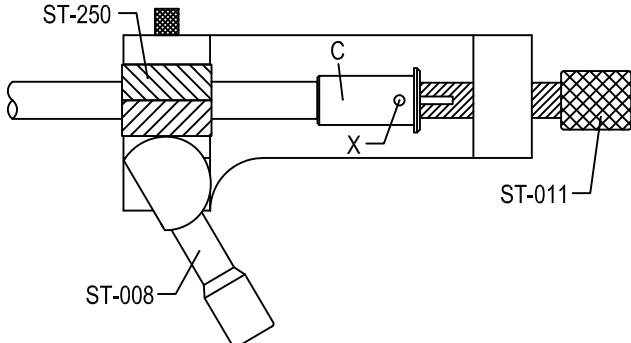
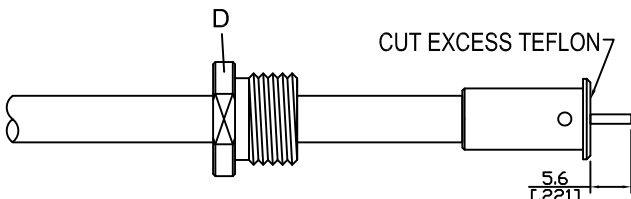
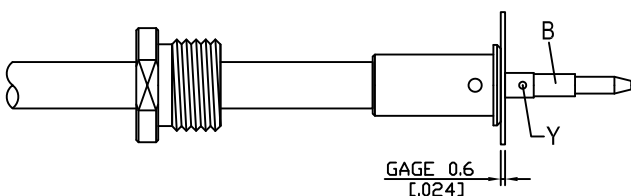
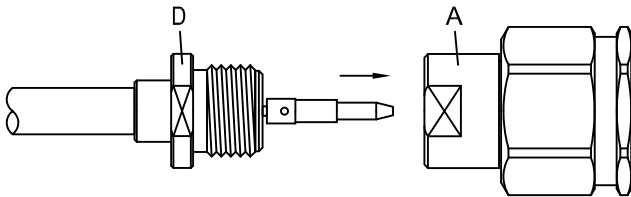
Notice: JYEBAO reserves the right to make modification deemed appropriate.

SC		SC3300A-0250	
Interface		MIL-STD-348B	
Electrical Data		Impedance 50Ω Frequency range DC to 6Hz VSWR ≤ 1.2 (6GHz); ≤ 1.3 (11GHz) Insertion loss $\leq 0.06 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 1.5\text{m}\Omega$ Contact resistance outer conductor $\leq 1.5\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 3000 V rms Working Voltage (at sea level) 1000 V rms	
Mechanical Data		Recommended coupling nut torque 12 to 15 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 100 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		Soldering gauge ST-0.6 Soldering fixture ST-008 Locator tool ST-011 Insert for .250 semi-rigid cable ST-250	

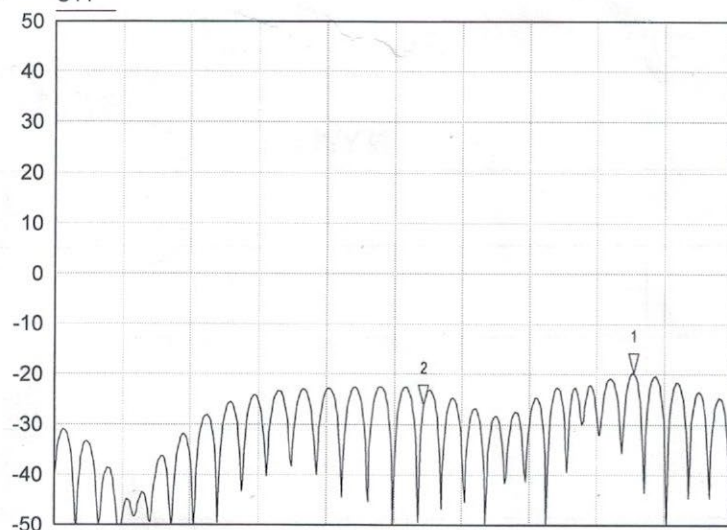
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JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SC3300A-0250		DATE	2020/03/25	REV	—
A		B		C	D
					
BODY		CONTACT PIN		SOLDER FERRULE	NUT
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: INSERT PREPARED CABLE INTO SOLDER FERRULE " C " AND USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-250 " AND LOCATOR TOOL " ST-011 " TO FIX THE SOLDER FERRULE. SOLDER IN " X ".		
			Step 3: CUT AWAY ANY EXCESS TEFLON STICKING OUT OF THE SOLDER NUT. Step 4: SLIDE NUT " D " OVER CABLE.		
			Step 5: PUT 0.6MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".		
			Step 6: FINALLY SCREW NUT " 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	

SoftPlot Measurement Presentation

dB
S11

Start: 45.0000 MHz

Stop: 10.9976 GHz

1 S11
▽ 9.4040 GHz
1.23 VSWR

2 S11
▽ 5.9926 GHz
1.10 VSWR