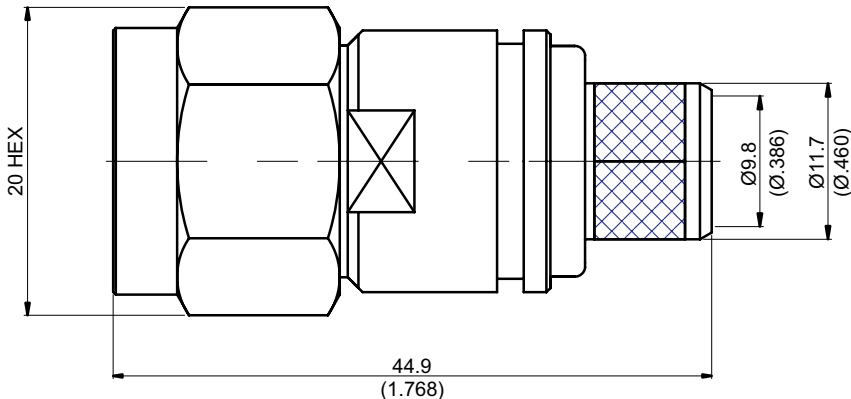


N3100A-L500	N Plug Crimp For JBY500,LMR500 1.4GHz VSWR 1.2 & 6GHz VSWR 1.35	50Ω																														
																																
<table><tr><th>Parts</th><th>Material</th><th>Plating(Micro-inch)</th></tr><tr><td>Barrel</td><td>Brass</td><td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td></tr><tr><td>Ferrule</td><td>Brass</td><td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td></tr><tr><td>Insulator</td><td>Teflon</td><td></td></tr><tr><td>Retainer Ring</td><td>Brass</td><td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td></tr><tr><td>Gasket</td><td>Silicon</td><td></td></tr><tr><td>Contact Body</td><td>Brass</td><td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td></tr><tr><td>Contact Pin</td><td>Brass</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td>Body</td><td>Brass</td><td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td></tr><tr><td>Coupling Nut</td><td>Brass</td><td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td></tr></table>			Parts	Material	Plating(Micro-inch)	Barrel	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50	Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50	Insulator	Teflon		Retainer Ring	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50	Gasket	Silicon		Contact Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50	Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50	Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
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Weight: 59.53 g Suitable Cables: LMR500, JBY500																																

This part number complies with RoHS.

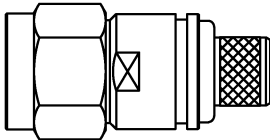
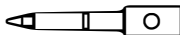
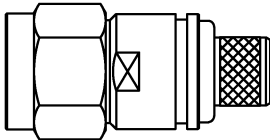
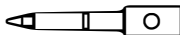
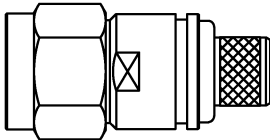
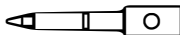
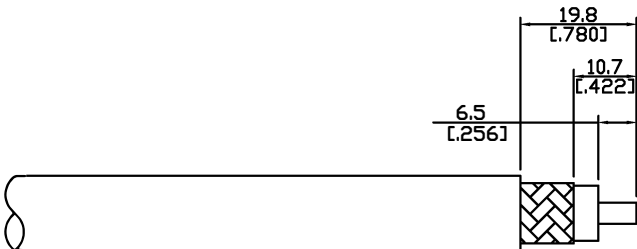
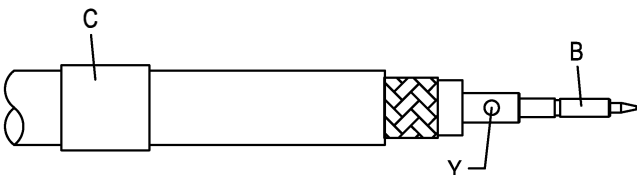
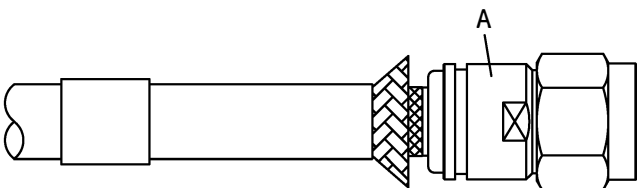
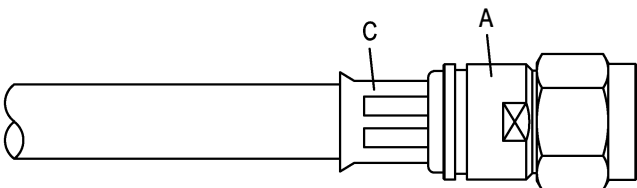
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

N	N3100A-L500
Interface MIL-STD-348B	
Electrical Data Impedance 50Ω Frequency range DC to 6GHz VSWR ≤ 1.2 (1.4GHz); ≤ 1.35 (6GHz) Insertion loss $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 1.5\text{m}\Omega$ Contact resistance outer conductor $\leq 1\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 2500 V rms Working voltage (at sea level) 1000 V rms	
Mechanical Data Recommended coupling nut torque 6 to 10 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 101.2 lbs Contact captivation-axial ≥ 6.3 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 Crimping tool CRT-3 Crimp insert INSERT-FB	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

N3100A-L500		DATE	2014/04/29	REV	—									
<table><tr><td>A</td><td>B</td><td>C</td></tr><tr><td></td><td></td><td></td></tr><tr><td>BODY</td><td>CONTACT PIN</td><td>FERRULE</td></tr></table>						A	B	C				BODY	CONTACT PIN	FERRULE
A	B	C												
														
BODY	CONTACT PIN	FERRULE												
DIAGRAM			ASSEMBLY INSTRUCTION											
			Step 1: STRIP AS SHOWN.											
			Step 2: SLIDE FERRULE "C" OVER CABLE. Step 3: PUT PIN "B" ON CENTER CONDUCTOR AND SOLDER IN "Y".											
			Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "A" IN PLACE.											
			Step 5: SLIDE FERRULE "C" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 13.5mm/0.531inch HEX SECTION OF INSERT-FB)											
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.														
APPROVED		CHECKED		DRAWING										
				Albert										

N3100A-L500

S11

