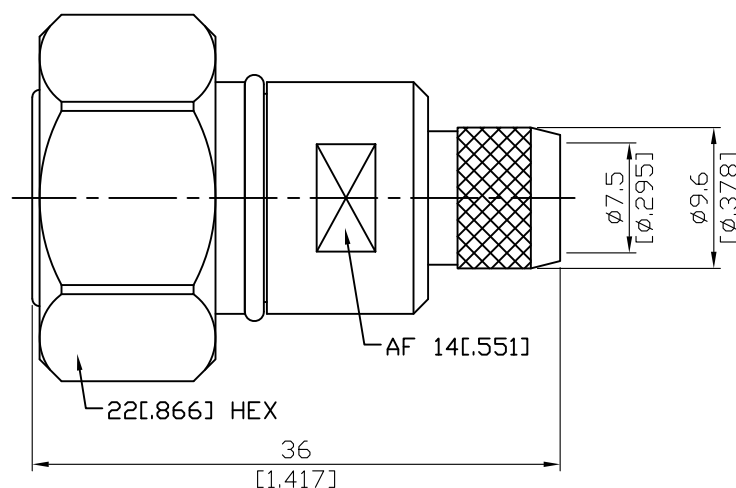


4.3-3100A-L400

4.3-10 Screw Plug Crimp For JBY400, LMR400
6GHz VSWR 1.12

50Ω



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

Suitable Cables: JBY400; LMR400

This part number complies with RoHS.

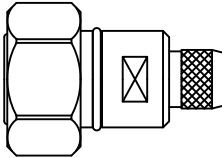

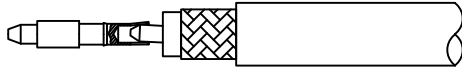
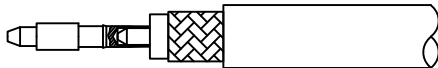

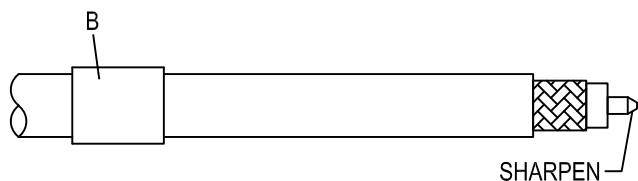
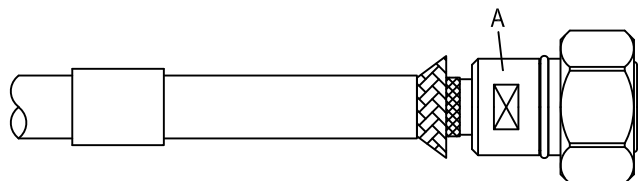
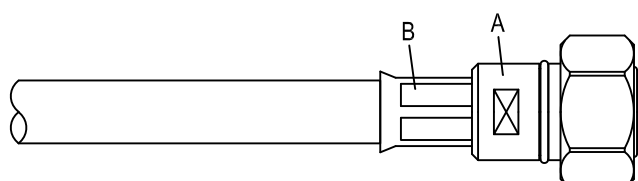
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

4.3-10	4.3-3100A-L400																		
<div>Interface</div> IEC 61169-54																			
<div>Electrical Data</div> <table> <tr> <td>Impedance</td><td>50Ω</td></tr> <tr> <td>Frequency range</td><td>DC to 6GHz</td></tr> <tr> <td>VSWR</td><td>≤ 1.12 (DC to 6GHz)</td></tr> <tr> <td>Insertion loss</td><td>≤ 0.05 x $\sqrt{f(\text{GHz})}$ dB</td></tr> <tr> <td>Insulation resistance</td><td>≥ 5000MΩ</td></tr> <tr> <td>Contact resistance inner conductor</td><td>≤ 1mΩ</td></tr> <tr> <td>Contact resistance outer conductor</td><td>≤ 1mΩ</td></tr> <tr> <td>Dielectric withstanding voltage (sea level)</td><td>2500V rms</td></tr> <tr> <td>Working voltage (sea level)</td><td>500V rms</td></tr> </table>		Impedance	50Ω	Frequency range	DC to 6GHz	VSWR	≤ 1.12 (DC to 6GHz)	Insertion loss	≤ 0.05 x $\sqrt{f(\text{GHz})}$ dB	Insulation resistance	≥ 5000MΩ	Contact resistance inner conductor	≤ 1mΩ	Contact resistance outer conductor	≤ 1mΩ	Dielectric withstanding voltage (sea level)	2500V rms	Working voltage (sea level)	500V rms
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<div>Mechanical Data</div> <table> <tr> <td>Recommended coupling nut torque(screw type)</td><td>44 inch lbs</td></tr> <tr> <td>Coupling proof Torque(screw type)</td><td>70 inch lbs</td></tr> <tr> <td>Coupling nut retention force</td><td>≥ 101.2 lbs</td></tr> <tr> <td>Contact captivation-axial</td><td>≥ 6.3 lbs</td></tr> <tr> <td>Engagement force</td><td>22.5 lbs (typical)</td></tr> <tr> <td>Disengagement force</td><td>18 lbs (typical)</td></tr> <tr> <td>Durability (mating)</td><td>≥ 100</td></tr> </table>		Recommended coupling nut torque(screw type)	44 inch lbs	Coupling proof Torque(screw type)	70 inch lbs	Coupling nut retention force	≥ 101.2 lbs	Contact captivation-axial	≥ 6.3 lbs	Engagement force	22.5 lbs (typical)	Disengagement force	18 lbs (typical)	Durability (mating)	≥ 100				
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<div>Tooling</div> <table> <tr> <td>Crimping tool</td><td>CRT-1 or CRT-2</td></tr> <tr> <td>Crimp insert</td><td>INSERT-C</td></tr> </table>		Crimping tool	CRT-1 or CRT-2	Crimp insert	INSERT-C														
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Notice: JYEBAO reserves the right to make modifications deemed appropriate.

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

4.3-3100A-L400		DATE	2019/05/07	REV	—
A	B	NOTE: THE STRIPPED CABLE AND POINTED CENTER CONDUCTOR MUST BE STRAIGHT (180°), IF NOT LEAVES WILL BREAK EASILY.			
					
BODY	FERRULE	NG			
		OK			
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: SHARPEN CENTER CONDUCTOR TIP. Step 3: SLIDE FERRULE " B " OVER CABLE. NOTE: THE STRIPPED CABLE AND POINTED CENTER CONDUCTOR MUST BE STRAIGHT (180°), IF NOT LEAVES WILL BREAK EASILY.			
		Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.			
		Step 5: SLIDE FERRULE " B " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 10.7mm/0.421inch HEX SECTION OF INSERT-C)			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

4.3-3100A-L400

