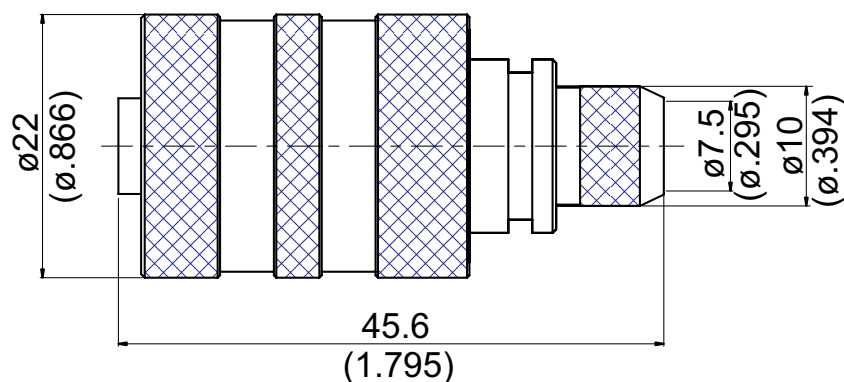


N31SQ-0400

Snap On N Plug Crimp For JBY400,LMR400; 50Ω
11GHz VSWR 1.35



NOTE: (1) Snap on N plug with locking mechanism.
(2) Snap on the N plug and then give a little turn to ensure a proper mating.

Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Gasket	Silicon	
Spring	Stainless	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Body	Phosphor Bronze	Nickel 200 Over Copper 50
Insulator	Teflon	
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Weight: 54.31g
 Suitable Cables: JBY400, LMR400

This part number complies with RoHS.

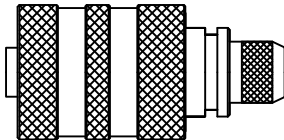
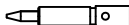
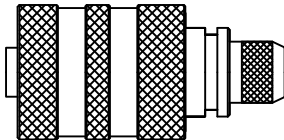
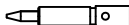
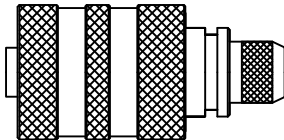
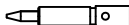
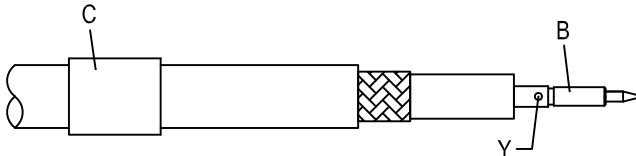
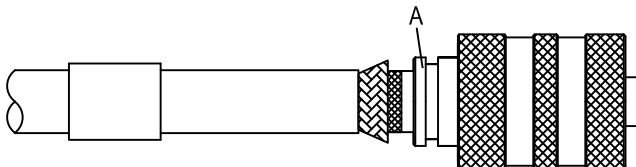
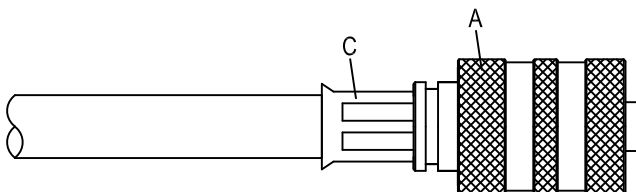
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

N	N31SQ-0400																		
Interface Per JYEBAO Snap On N Plug																			
Electrical Data <table> <tr> <td>Impedance</td><td>50Ω</td></tr> <tr> <td>Frequency range</td><td>DC to 11GHz</td></tr> <tr> <td>VSWR</td><td>≤ 1.35(DC to 11GHz)</td></tr> <tr> <td>Insertion loss</td><td>$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB</td></tr> <tr> <td>Insulation resistance</td><td>$\geq 5000\text{M}\Omega$</td></tr> <tr> <td>Contact resistance inner conductor</td><td>$\leq 1.5\text{m}\Omega$</td></tr> <tr> <td>Contact resistance outer conductor</td><td>$\leq 1\text{m}\Omega$</td></tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td><td>2500 V rms</td></tr> <tr> <td>Working voltage (at sea level)</td><td>1000 V rms</td></tr> </table>		Impedance	50Ω	Frequency range	DC to 11GHz	VSWR	≤ 1.35 (DC to 11GHz)	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
Impedance	50Ω																		
Frequency range	DC to 11GHz																		
VSWR	≤ 1.35 (DC to 11GHz)																		
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 <table> <tr> <td>Recommended coupling nut torque</td><td>Not applicable</td></tr> <tr> <td>Coupling proof torque</td><td>Not applicable</td></tr> <tr> <td>Contact captivation-axial</td><td>≥ 6.3 lbs</td></tr> <tr> <td>Durability (mating)</td><td>≥ 20000</td></tr> </table>		Recommended coupling nut torque	Not applicable	Coupling proof torque	Not applicable	Contact captivation-axial	≥ 6.3 lbs	Durability (mating)	≥ 20000										
Recommended coupling nut torque	Not applicable																		
Coupling proof torque	Not applicable																		
Contact captivation-axial	≥ 6.3 lbs																		
Durability (mating)	≥ 20000																		
Environmental Data <table> <tr> <td>Temperature range</td><td>-65°C to +165°C</td></tr> <tr> <td>Thermal shock</td><td>MIL-STD-202, Method 107, Condition B</td></tr> <tr> <td>Moisture resistance</td><td>MIL-STD-202, Method 106</td></tr> <tr> <td>Corrosion</td><td>MIL-STD-202, Method 101, Condition B</td></tr> <tr> <td>RoHS</td><td>Compliant</td></tr> </table>		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								
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 <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														
Crimping tool	CRT-1 or CRT-2																		
Crimp insert	INSERT-C																		

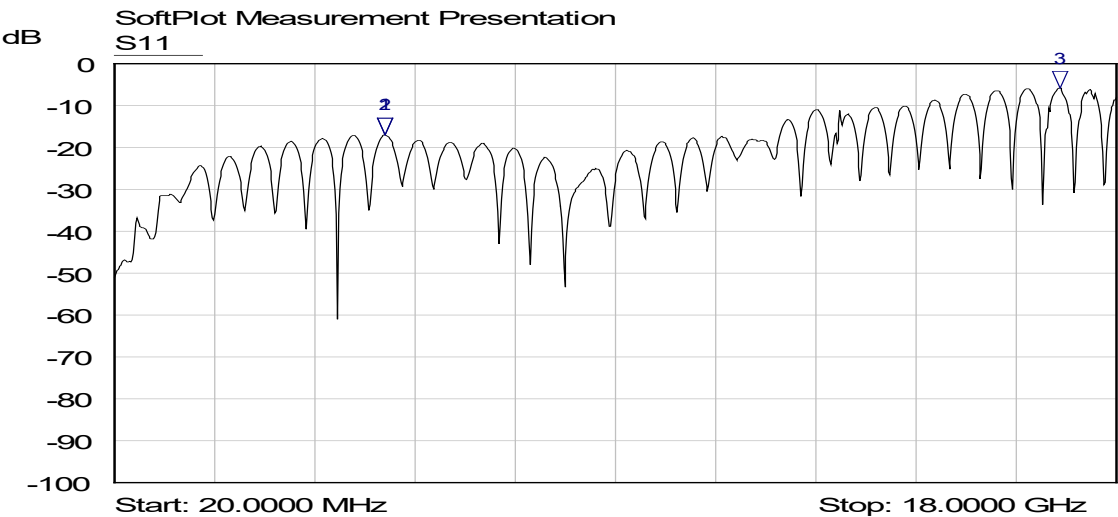
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

N31SQ-0400		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 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										

N31SQ-0400



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	4.8800 GHz	-17.06 dB	
2 ▽	S11	4.8800 GHz	-17.06 dB	
3 ▽	S11	16.9800 GHz	-5.86 dB	