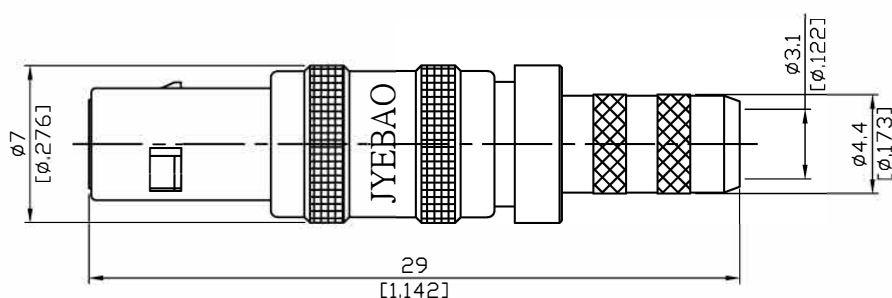


QLR3100-0142

QLR plug crimp for RG142,RG400;
1.6GHz VSWR 1.2

50Ω



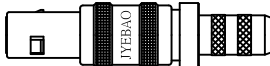
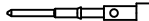
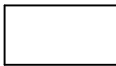
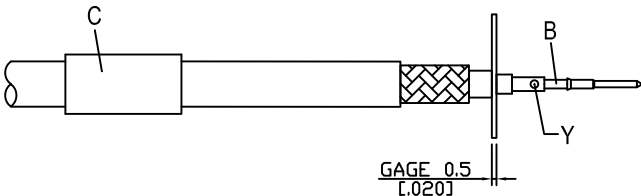
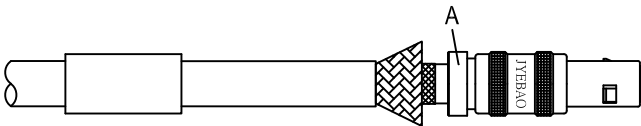
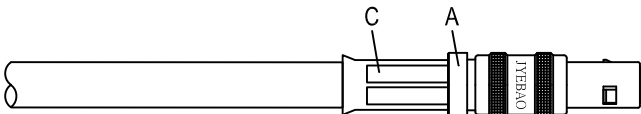
Parts	Material	Plating (Micro-inch)
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Barrel	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Collet	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Suitable Cables: RG142,RG400		

QLR	QLR3100-142
Interface NIM-CAMAX-Standard CD/N549 Intermateable with QLA (HUBER&SUHNER), 00.250 (LEMO)	
Electrical Data Impedance 50Ω Frequency range DC to 1.6GHz VSWR ≤ 1.2 to 1.6GHz Insulation resistance $\geq 10^{12} \Omega$ Contact resistance inner conductor $\leq 6m\Omega$ Contact resistance outer conductor $\leq 3.5m\Omega$ Dielectric withstanding voltage (sea level) 1500 V rms, 50Hz Working Voltage unmated (sea level) ≤ 300 V rms, 50Hz Working Voltage mated (sea level) ≤ 500 V rms, 50Hz Rated Current 4A	
Mechanical Data Engagement Force (typical) 0.45 lbs Disengagement Force (typical) 1.1 lbs Contact captivation-axial ≥ 4.5 lbs Durability (mating) ≥ 5000	
Environmental Data Temperature range -55°C to +150°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-B Soldering gauge ST-0.5	

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

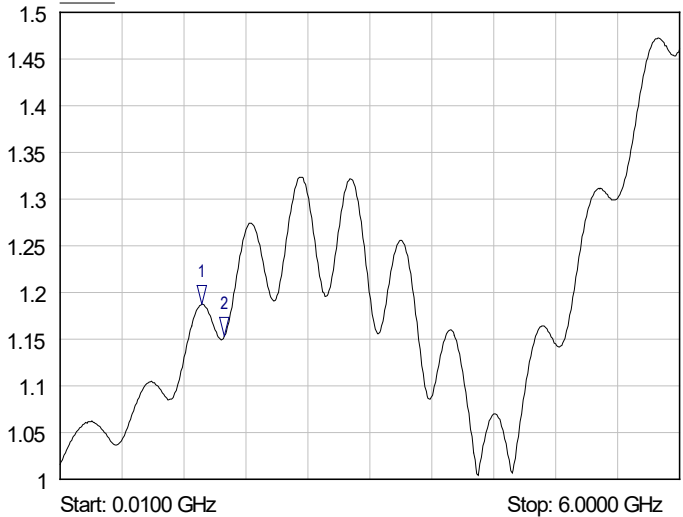
JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

QLR3100-0142		DATE	2022/07/01	REV	—
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 0.5 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " 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 5.5mm/0.217inch HEX SECTION OF INSERT-B)		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

QLR3100-0142

SoftPlot Measurement Presentation
VSWR S11



- 1 S11
1.3800 GHz
1.19 VSWR
- 2 S11
1.6000 GHz
1.15 VSWR