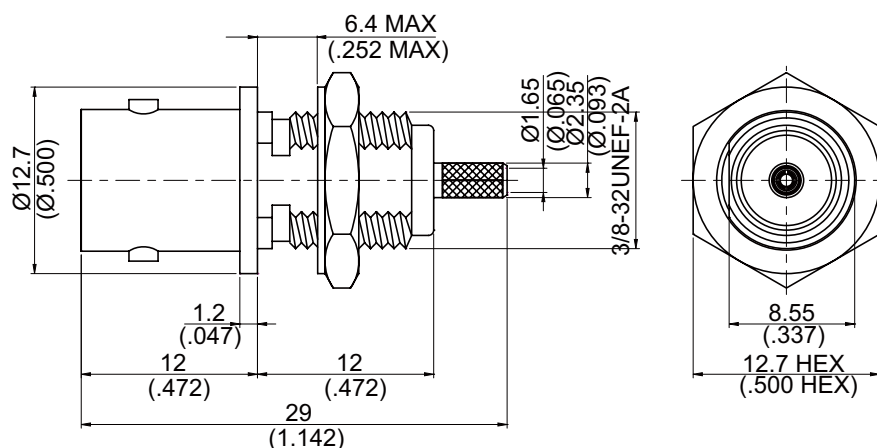


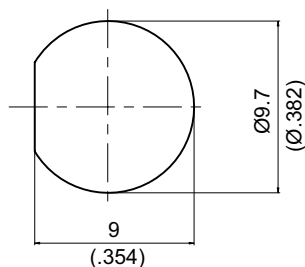
BNC8105B-0316

BNC jack crimp bulkhead
For RG174,RG188,RG316; 3GHz VSWR 1.2

50Ω



MOUNTING HOLE



Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Small Pin	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Barrel	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Phosphor Bronze	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Weight:

Suitable Cables:RG174,RG188,RG316,RG316-FEP

This part number complies with RoHS.

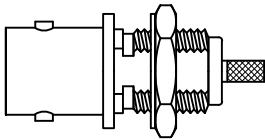
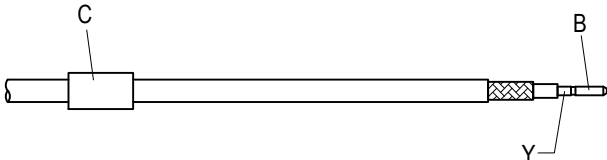
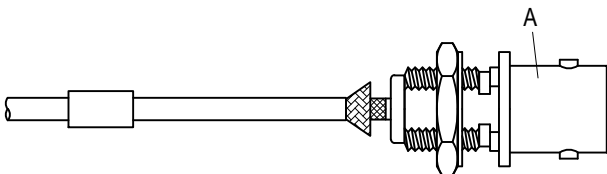
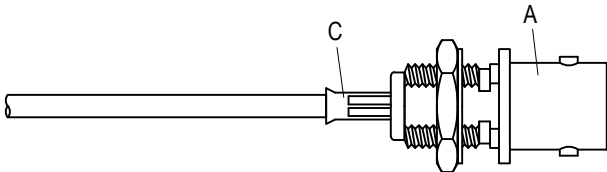
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

BNC		BNC8105B-0316	
Interface		MIL-STD-348B	
Electrical Data			
Impedance		50Ω	
Frequency range		DC to 3GHz	
VSWR		≤ 1.2 (DC to 3GHz)	
Insertion loss		$\leq 0.1 \times \sqrt{f(\text{GHz})}\text{dB}$	
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)		1500 V rms	
Working voltage (at sea level)		500 V rms	
Mechanical Data			
Recommended coupling nut torque		0.6 to 2.5 inch lbs	
Contact captivation-axial		≥ 6.1 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-1 or CRT-2	
Crimp insert		INSERT-A	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

BNC8105B-0316		DATE	2016/04/18	REV	—
A		B	C		
					
BODY + WASHER + HEX NUT		SMALL 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 CRIMP IN "Y". (USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A IF CRIMPED)			
		Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "A" IN PLACE.			
		Step 5: SLIDE FERRULE "C" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

BNC8105B-0316

S11

