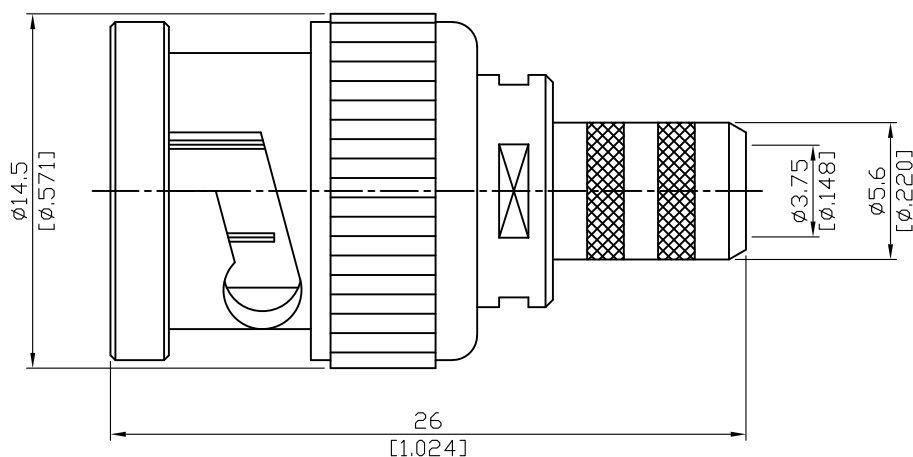


BNCHD3100-JBY59

HDTV BNC plug crimp For JBY59;
4GHz VSWR 1.2

75Ω



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	Silicone	
Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Spring	SK5	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables: JBY59, LMR240-75

This part number complies with RoHS.

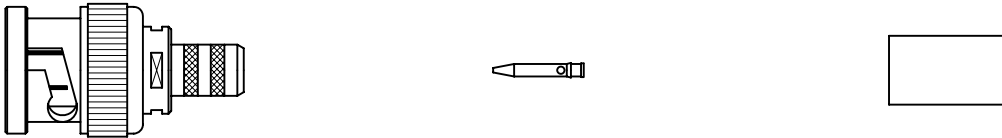
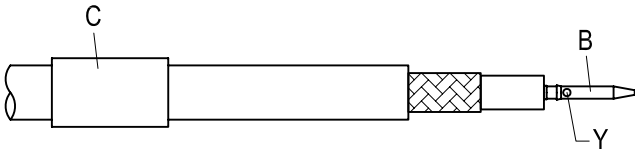
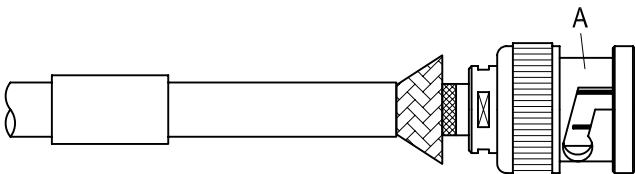
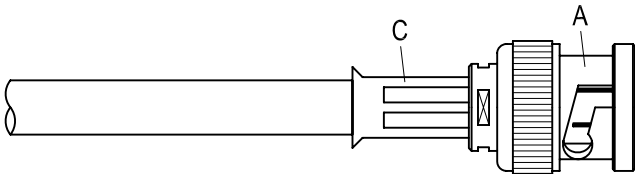
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

HDTV BNC	BNCHD3100-JBY59
Interface Mechanically compatible with 50Ω & 75Ω standard BNC connectors	
Electrical Data Impedance 75Ω Frequency range DC to 4GHz VSWR ≤ 1.2 (DC to 4GHz) Insertion loss $\leq 0.1 \times \sqrt{f(\text{GHz})}$ 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) 1500 V rms Working voltage (at sea level) 500 V rms	
Mechanical Data Recommended coupling nut torque 2.5 inch lbs Coupling nut retention force ≥ 101.2 lbs Contact captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 1000	
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-E	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

BNCHD3100-JBY59		DATE	2015/09/01	REV	—
A B C  BODYCONTACT PINFERRULE					
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 6.5mm/0.256inch HEX SECTION OF INSERT-E)		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

BNCHD3100-JBY59

S11

