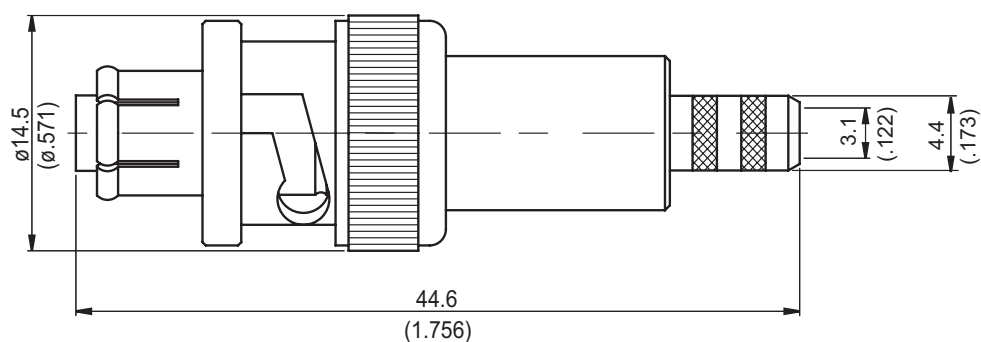


SHV3100-0058

SHV Plug Crimp For RG58, JBY195, LMR195 50Ω



Parts	Material	Plating(Micro-inch)
Barrel	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Phosphor Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Gasket	Silicone	
Spring	SK5	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Washer	Brass	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

Weight: 14.52 g

Suitable Cables: RG58, JBY195, LMR195

SHV

SHV3100-0058

Interface

MIL-STD-348B

Electrical Data

Impedance	50 Ω
Frequency range	DC to 300 MHz
Insulation resistance	$\geq 5000M\Omega$
Contact resistance inner conductor	$\leq 2m\Omega$
Contact resistance outer conductor	$\leq 1.5m\Omega$
Dielectric withstanding voltage (at sea level)	5000 V rms
Working voltage (at sea level)	3500 V rms

Mechanical Data

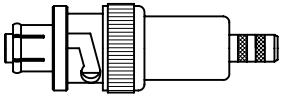


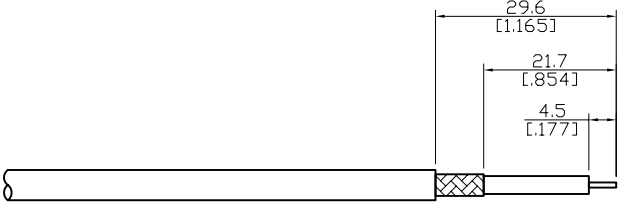
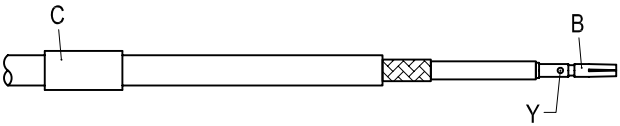
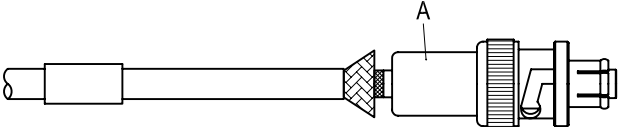
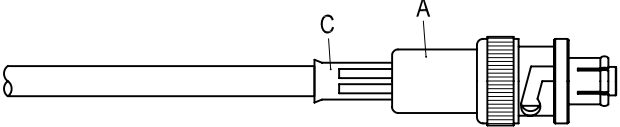
Recommended coupling nut torque	0.6 to 2.5 inch lbs
Coupling nut retention force	≥ 101.2 lbs
Contact captivation-axial	≥ 6.1 lbs
Durability (mating)	≥ 500

Environmental Data

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Moisture resistance	MIL-STD-202, Method 103, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant

Tooling

Crimping tool	CRT-1 or CRT-2
Crimp insert	INSERT-B

SHV3100-0058		DATE	2016/08/22	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 PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 1.6mm/0.063inch SECTION OF INSERT-B IF CRIMPED)			
		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)			
APPROVED	CHECKED	DRAWING			