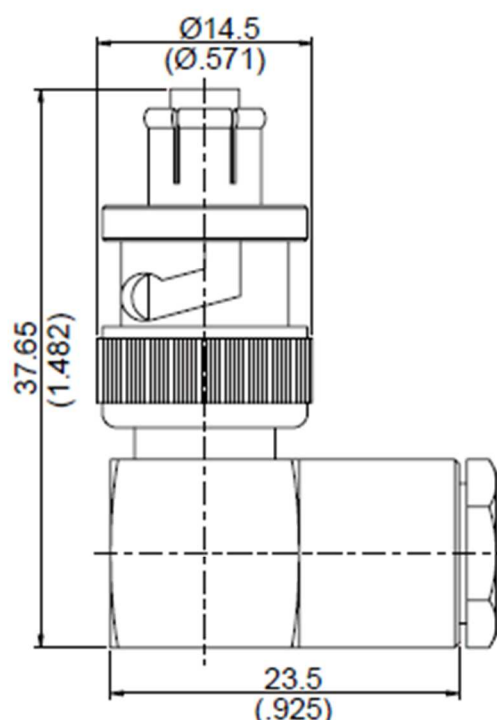


SHV Plug Clamp Right Angle For RG59 50Ω



Note: RG59 is a 75ohm cable and SHV is a 50ohm interface resulting in an impedance mismatch and poor RF performance.

Parts	Material	Plating(Micro-inch)
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Hex Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Braid Clamp	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Spring	SK5	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Phosphor Bronze	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables:RG59

Interface

MIL-STD-348B

Electrical Data

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

Mechanical Data

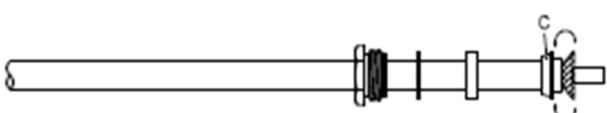
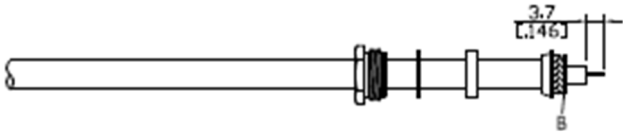
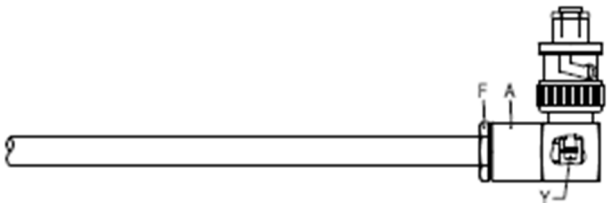
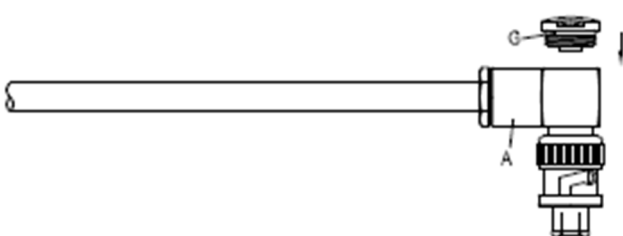
Recommended coupling nut torque	0.6 to 2.5 inch lbs
Coupling nut retention force	≥ 101.2 lbs
Contact captivation-axial	≥ 6.1 lbs
Durability (mating)	≥ 500

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

A	B	C	D	E	F	G
						
BODY	WASHER	BRAID CLAMP	GASKET	WASHER	NUT	NUT + GASKET + INSULATOR

DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: SLIDE NUT "F" - WASHER "E" - GASKET "D" AND BRAID CLAMP "C" OVER CABLE.
	Step 3: WRAP THE BRAIDING OVER "C".
	Step 4: STRIP AS SHOWN. Step 5: PUT WASHER "B" IN PLACE.
	Step 5: SCREW NUT "F" ON THE CONNECTOR BODY "A" AND SOLDER IN "Y".
	Step 6: FINALLY SCREW NUT "G" ON THE CONNECTOR BODY "A".