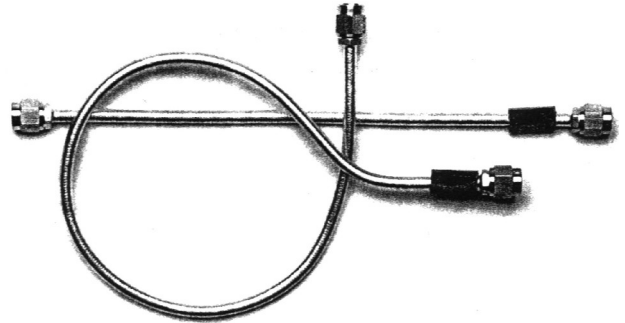


MODEL 5015
SEMI-FLEXIBLE COAXIAL CABLE
PRODUCT SPECIFICATION

- **Electrical Performance Comparable to Semi-rigid**
- **Bends Easily by Hand**
- **100% Shielded, 2 Metal Jackets for Low Leakage**



The Model 5015 is a semi-flexible, 50 Ω, SMA, coaxial cable. The cable is electrically equivalent to the microwave industry standard 0.141” diameter, solid copper jacket, 50 Ω cable. The connectors are SMA plugs (male). The 5015 is easier to bend than semi-rigid and more useful in test set-ups.

The 5015 cable is more fragile than semi-rigid. Treat it with care. Avoid excessive bending. Do not use a sharp bending radius. Repeated flexing will cause the outer conductor braid to eventually fracture, typically just behind the SMA connectors. Always use two wrenches when making connections. Use a 1/4” wrench to immobilize the SMA connector body while using a 5/16” torque wrench to tighten the SMA coupling nut. PSPL does not warranty the 5015 cable after it is put in service.

Electrical Data	
Impedance	50 Ω
Tolerance	± 2 Ω
Attenuation (dB/100 ft)	
1 GHz	12 dB
8 GHz	40 dB
18 GHz	66 dB
Max. Average Power	
1 GHz	450 W
10 GHz	120 W
Velocity of Propagation	70.7%
Max Frequency	26 GHz

Mechanical Data	
Outer Conductor O.D.	0.141”
Outer Jacket	Tin coated copper wire braid over copper foil
Inner Conductor O.D.	0.036” nom.
Inner Conductor Material	Silver plated copper weld
Dielectric O.D.	0.116” nom.
Dielectric Material	PTFE
Safe Bending Radius	1.5” min.
Operating Temperature	-55 to +125C
Connectors	SMA Plugs

Ordering Information

Model Number	Description
5015-06	6 in. long (15 cm)
5015-12	12 in. long (30 cm)
5015-18	18 in. long (46 cm)
5015-40	40 in. long (102 cm)
5015-48	48 in. long (122 cm)