

Cable	Connectors	Diameter inch (mm)	Usage	Material (inner/outer conductor)	Dielectric	Max frequency - cable	Max frequency – connector (VSWR < 1.3)	Attenuation at 5 GHz (300K)	Attenuation at 5 GHz (4K)
Room-temperature hand-formable	SMA, BMA	0.141” (3.58) 0.086” (2.18)	Room temperature	Ag-plated Cu / Sn-plated Cu	PTFE	20 GHz	SMA – 18 GHz BMA – 18 GHz	0.95 dB/m	≈ 0.2 dB/m
Cryogenic hand-formable	SMA, SMP, SMPM	0.086” (2.18)	Within single temperature range	Ag-plated Cu / Sn-plated Cu	PTFE	20 GHz	SMA – 18 GHz SMP – 18 GHz SMPM – 18 GHz	1.64 dB/m	≈ 0.3 dB/m
Cryogenic semi-rigid	SMA, SMP, SMPM	0.047” (1.19)	Between different temperatures	Ag-plated CuNi / CuNi	PTFE	108 GHz	SMA – 18 GHz SMP – 18 GHz SMPM – 18 GHz	4.7 dB/m	2.3 dB/m
Cryogenic superconducting	SMA, SMP, SMPM	0.047” (1.19)	Between different temperatures	CuNi/NbTiCuNi	PTFE	108 GHz	SMA – 18 GHz SMP – 18 GHz SMPM – 18 GHz	12 dB/m	9.1 dB/m