SHF CABLE

Connectors

The unique design of SHF cables allows for the use of custom-designed connectors. At Radiall, we pay particular attention to the design and to termination techniques to ensure low VSWR and superior cable performance.

Our cable /connector terminations are designed to maintain shield integrity into the lowest leakage attainable in a flexible assembly. All electrical connections (center contact and inner tape shield) are soldered.

Most popular connector interfaces to fit SHF cable are SMPM, SMP, SSMA, SMA, QRE, TNC, and N Type.

SHF Cable Range

Ultra low loss flexible cable



Typical construction

Cable	VP	Max Dia.	Attenuation	Bending radius	Weight
SHF2.4M	**76%**	**2.45mm**	**4.59 dB/m @ 40GHz**	**10mm**	**20 g/m**
DC-40GHz		0.095in	139 dB/100ft	0.394in	6.1 g/ft
SHF2.9M (2)	**75%**	**2.90mm**	**5.92 dB/m @ 67GHz**	**25mm**	**23 g/m**
DC-67GHz		0.114in	179 dB/100ft	0.984in	7.01 g/ft
SHF3M	**76%**	**3.64mm**	**2.76 dB/m @ 40GHz**	**12.5mm**	**35 g/m**
DC-40GHz		0.139in	84 dB/100ft	0.492in	10.6 g/ft
SHF4M (2)	**84%**	**4.15mm**	**2.05 dM/m @ 40GHz**	**20mm**	**40 g/m**
DC-40GHz		0.160in	62 dB/100ft	0.788in	12.2 g/ft
SHF4.2M	**76%**	**4.20mm**	**1.96 dB/m @ 26.5GHz**	**25mm**	**45 g/m**
DC-26.5GHz		0.165in	60 dB/100ft	0.984in	13.6 g/ft
SHF4.6M	**84%**	**4.65mm**	**1.69 dB/m @ 32GHz**	**25mm**	**41 g/m**
DC-32GHz		0.183in	51 dB/100ft	0.984in	12.5 g/ft
SHF5M	**84%**	**5.20mm**	**1.27 dB/m @ 26.5GHz**	**25mm**	**60 g/m**
DC-26.5GHz		0.201in	39 dB/100ft	0.984	18.2 g/ft
SHF8M	**84%**	**7.78mm**	**0.68 dB/m @ 18GHz**	**40mm**	**130 g/m**
DC-18GHz		0.302in	21 dB/100ft	1.575in	39.4 g/ft
SHF13	**85%**	**13.80mm**	**0.33 dB/m @ 9.5GHz**	**60mm**	**280 g/m**
DC-9.5GHz		0.543in	9 dB/100ft	2.362in	84.8 g/ft

(2) Triple shield structure

(1) SPC: Silver Plated Copper