

Hand Formable[®] Coaxial Cable



Construction:

Center conductor: Solid silver plated copper wire

Dielectric: Solid PTFE

Copper outer braid: Tin soaked copper braid

Operating temperature: -55 +105° C

Velocity of Propagation: 70%

Shielding Effectiveness: >110 dB

Product Portfolio:

Products	Outer Diameter mm (in)	VOP (%)	Max Frequency (GHz)	Insertion loss (18GHz/m @)	Minimum Bend radius (mm/inch)	Minimum Bend Radius Repeat (mm)
HF47	1.2/ (0.047")	70	40	5.4	3.2	15
HF86	2.2/ (0.086")	70	40	3.4	6	20
HF141	3.6/ (0.141")	70	33	2.2	8	40
HF250	6.35/ (0.250")	70	18	1.4	30	120

HF coaxial cables are flexible alternatives to semi-rigid coax, and the unique shielding configuration offers a cost effective, low attenuation option. The use of round braid composite shields results in low transfer impedance levels. The 50 ohm constructions exhibit the same attenuation characteristics as the M17/130-RG402 and M17/133-RG405 cables. All HF cables have VSWR characteristics that meet or exceed similar size flexible constructions. HF47 HF86 HF141 and HF250 have been designed with diameters over the outer braids of 0.047" , 0.250", 0.141" and 086" respectively, so standard SMA connectors and others may be used.

An overall tin soaked jacket is not resistant to oil and chemicals. The cable is either unmarked or surface printed eliminating a marker tape that may cause problems in termination. Without the marker tape, an improved level of adhesion exists between the braided core and the jacket that allows ease of termination with short length assemblies

