

SFLEF MAX FLEX® Spiral Flex Coaxial Cable



Construction:

Center conductor: Stranded silver plated copper
 Dielectric: Solid PTFE
 Inner braid: Spiral silver plated copper strip
 Outer braid: Round silver plated copper
 Jacket: Solid light blue specially formulated compound
 Operating temperature: -55 +105° C
 Velocity of Propagation: 70%
 Shielding Effectiveness: >110 dB

Product Portfolio:

Products	Outer Diameter mm (in)	VOP (%)	Insertion loss (18GHz/m @)	Max Frequency (GHz)	Weight (gram/m)	Minimum Bend radius (mm/inch)
SFL402-105	4.50 (0.180")	70	2.10	34	43	20/0.8"
SFL 405-105	2.92 (0.115")	70	3.50	63	31	16/0.625"

SFL Spiral Flex™ coaxial cables, more flexible and supple versions of the industry standard SS Spiral Strip constructions, have been designed with a specially formulated 105°C jacket compound and stranded silver plated copper center conductors. These 50 ohm versions exhibit VSWR levels that meet or exceed similar size flexible constructions, and just like their SS cable counterparts, offer excellent shielding effectiveness with readily available connectors. Although the insertion loss is slightly higher than their SS cable counterparts, SFL attenuation levels through 18 GHz are substantially lower than comparable MIL-DTL-17 constructions.

SFLEF-MAX Loss data

