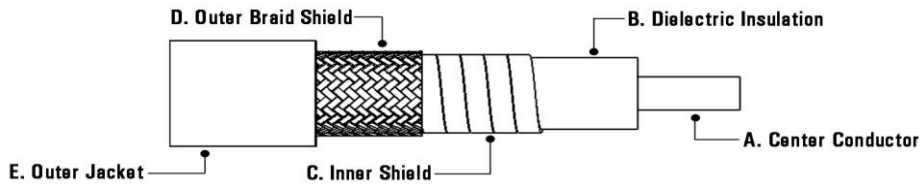


TEMP-FLEXa **molex** company

Low Loss Microwave Coax

Part Number: 141SC-1901

**Construction / Mechanical Specification**

Section	Material	Dimensions	
A. Center Conductor	Silver Plated Copper	0.0359 in	0.91 mm
B. Dielectric Insulation	FEP (High Purity)	0.1170 in	2.97 mm
C/D. Inner / Outer Shield	Silver Plated Copper	0.1380 in	3.50 mm
E. Outer Jacket	FEP	0.1570 in	3.99 mm

Minimum Static Bend Radius (<0.5Ω)	0.50 in	12.7 mm
Minimum Dynamic Bend Radius	1.00 in	25.4 mm
Cable Weight	28 lbs/kft	41.71 kg/km
Operating Temperature	-85°F - 257°F	-65°C - 125°C
Material Flammability Rating	V-0 (UL 1354)	

Electrical Specification

Characteristic Impedance	50 Ω ± 1 Ω	
Propagation Delay	1.450 ± 0.01 ns/ft	4.76 ns/m
Velocity of Propagation	70%	
Capacitance	29 pF/ft	95 pF/m
Cut off Frequency	35 GHz	
Shielding Effectiveness	>100 dB	

Attenuation vs. Frequency

Frequency (GHz)	(dB / ft)	(dB / m)
1	0.12	0.39
4	0.25	0.82
8	0.38	1.26
12	0.50	1.64
18	0.65	2.13
26	0.82	2.70
34	0.98	3.23

