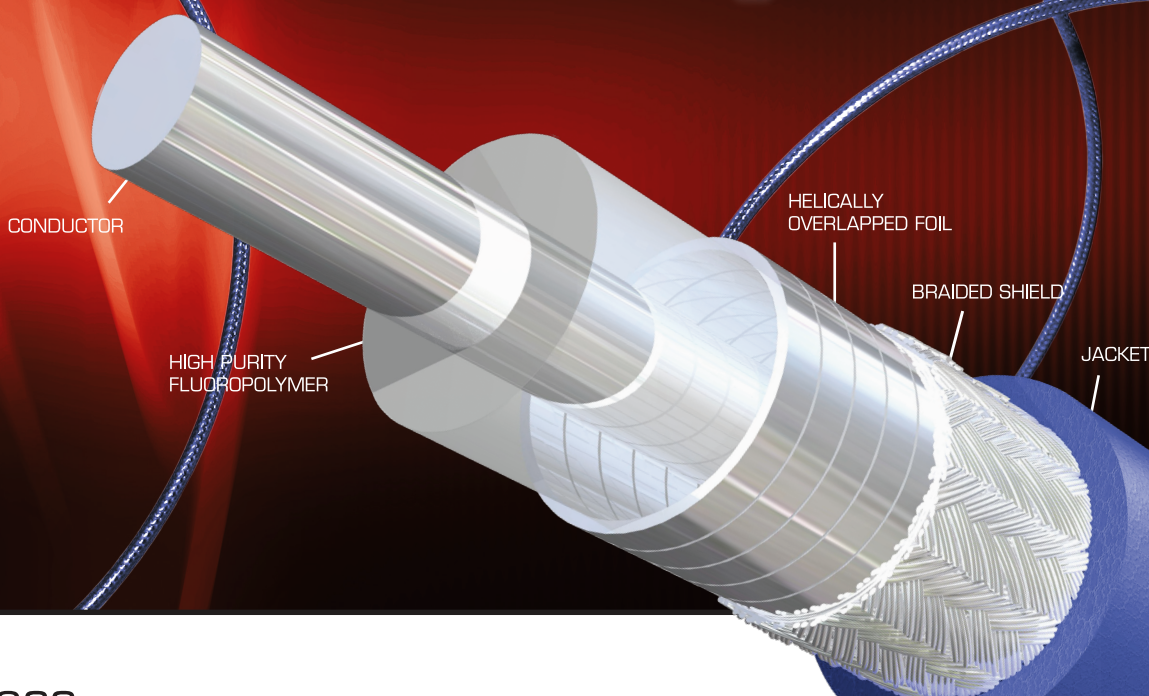


FEP Flexible Microwave Coaxial Cable

Solid Core Design



- Low Loss
- 70% Velocity of Propagation
- Phase Stable
- High Purity Fluoropolymer Dielectric

Performance Characteristics

Temp-Flex P/N	047SC-2901	086SC-2401	141SC-1901
Impedance	50Ω ± 1Ω	50Ω ± 1Ω	50Ω ± 1Ω
Insertion Loss dB/ft			
1 GHz	0.36	0.20	0.12
10 GHz	1.22	0.72	0.45
20GHz	1.77	1.07	0.70
50 GHz	3.0	1.90	--
VOP	70%	70%	70%
Capacitance pF/ft	29 pF/ft	29 pF/ft	29 pF/ft
Cut Off Frequency	112GHz	62GHz	35GHz

Mechanical Characteristics

Temp-Flex P/N	047SC-2901	086SC-2401	141SC-1901
OD	0.056"±0.003"	0.101"±0.005"	0.157"±0.005"
	1.42±0.076 _{MM}	2.57±0.127 _{MM}	4.0±0.13 _{MM}
Signal Conductor	0.0113 (29 AWG)	0.0201 (24 AWG)	0.036 (19 AWG)
Insulation	FEP	FEP	FEP
Min. Bend Radius	0.20 inch	0.38 inch	1.0 inch

TEMP-FLEX

a **molex** company

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