



SUCO FLEX 300 SERIES CABLE (SUCO FLEX 301)

SUCOFLEX 300 Microwave Cable Assemblies offer a lightweight connection solution combined with a low loss. The weight is reduced up to 40% compared to conventional low loss cables assemblies. These features make it ideal for aerospace and spaceflight applications.

Construction	
Centre Conductor	Lightweight wire with silver plated conductive surface
Dielectric	Low density PTFE
1st Shield	Helical wrapped silver plated tape
2nd Shield	Silver plated round wire braid
Jacket	Solid extruded ETFE
Electrical Characteristics	
Frequency range	DC 18 GHz
Impedance	50 Ω
Capacitance	86.4 pF/m
Relative signal propagation	77.0 %
Signal delay	4.3 ns/m
Phase stability	1500 ppm
Minimum screening effectiveness up to 18 GHz	> 90 dB
Mechanical & Environmental Specification	
Weight	23.9 g/m
Diameter	3.5 mm
Min. bending radius (Static)	15 mm
Min. bending radius (Repeated)	20 mm
Temperature range	- 55 ~ + 125 °C