



SUCOFLEX 300 PRODUCT RANGE

Low loss flexible microwave cable assemblies

Cable assembly design



1. Inner conductor
Lightweight wire silver-plated conductive surface.
2. Dielectric
Low Density PTFE
3. Outer conductor
 - a) Helical wrapped silver-plated tape provides high shielding
 - b) Lightweight silver plated wire braid
4. Jacket
Solid extruded ETFE, provides a barrier to all types of fluids, high temperature
And radiation resistance
5. Armour (Option)
Additional lightweight armouring provides increased crush and abrasion resistance
6. Connector design
Connector designs with different materials available - e.g. optimised for low weight, max.mechanical strength

The SUCOFLEX 300 design provides low VSWR, together with high reliability and high resistance to mechanical stress.

Technical cable data

Type	SF 301	SF 302	SF 304
Mechanical specifications			
Outer diameter (mm)	3.50	3.70	5.40
Inner conductor	solid	solid	solid
Weight * (g/m)	21	29	46
Bending radius (mm) dynamic	20	30	50
Temperature range (C°)	-55/+125	-55/+125	-55/+125

Electrical specifications

Impedance ()	50	50	50
Max. frequency (GHz)	18	18	18
Nominal attenuation (dB/m 25°C) at 18 GHz	2.0	1.9	1.2
Velocity of propagation	77%	77%	77%