

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
Armour (Option)	Additional lightweight armouring provides increased crush and abrasion resistance
5 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 (Ω)	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%