SUCOFLEX 300 PRODUCT RANGE

Low loss flexible microwave cable assemblies

Cable assembly design



- 1. Inner conductor
- 2. Dielectric
- 3. Outer conductor
- 4. Jacket temperature
- 5. Armour (Option)
- 6. Connector design

Lightweight wire silver-plated conductive surface.

Low Density PTFE

- a) Helical wrapped silver-plated tape provides high shielding
- b) Lightweight silver plated wire braid

Solid extruded ETFE, proviedes a barrier to all types of fluids, high

And radiation resistance

Additional lightweight armouring provides increased crush and abrasion resistance 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	Syrony Takeen Partin.	Synegy TelecomPycLul.	
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	Spreng Jakson Po Od	Syring Talesin Parket	Syntage L
Impedance ()	50	50 rangy Is accountly 1 to	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%

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