

# SRFS TELEINFRA

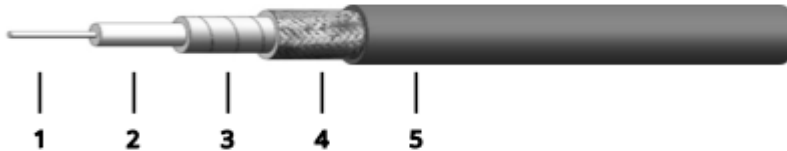


## Ultra-Low Loss & Phase Stable SRFS500

### Features & Applications:

- Phase Stability
- Low PIM
- High Phase Stability
- High Power
- Phased Array Radar
- Satellite Communication
- Avionics

### Construction



No.	Construction	Size(mm)	Materials
1	Inner Conductor	1.45	Solid Silver-plated copper
2	Dielectric	3.99	Low density PTFE
3	Inner Shield	4.19	Silver-plated copper tape
4	Outer Shield	4.60	Silver-plated copper wire braid
5	Jacket	5.20	PFA

### Electrical and Mechanical Specifications

Frequency range	DC-26.5 GHz
Cut-off Frequency:	29GHz
Impedance:	50Ω
Velocity of Propagation:	83%
Shielding Effectiveness:	90dB min.
Voltage Withstand:	1500V DC
PIM	-155dBc
Phase Stability	750PPM@-55°C~+85°C max
Bend Radius (installation):	52.0mm
Bend Radius (repeated):	26.0mm
Weight:	67g/m
Temperature(Storage)	-55~165 °C

### Attenuation & Power Handling6

Frequency GHz	0.1	0.3	0.5	1	2	4	6	8	12	18	26.5
Attenuation dB/100 Meter	7.4	12.8	16.5	23.5	33.3	47.5	58.6	68.0	83.9	103.9	127.6
Avg. Power kW	2934	1688	1305	919	646	453	368	317	256	207	169



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