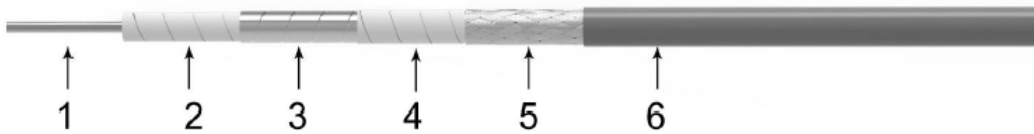


Features & Benefits

- Excellent phase stability with flexure 40GHz $\leq 5^\circ$
- Ultra low loss, 2.2dB/meter to 40 GHz
- Typical VSWR 1.2 to 40GHz
- Robust structure with an extra interlayer
- Available in armor options
- Bulk cables from stock

Cable Construction



No.	Construction	Size(mm)	Materials
1	Center Conductor	1.02	Solid silver-plated copper
2	Dielectric	2.85	Ultra-low-density PTFE
3	Outer Conductor	3.06	Silver-plated copper tape wrap
4	Interlayer	3.22	Low Density PTFE
5	Outer Shield	3.67	Silver-plated copper wire braid
6	Jacket	3.80	FEP

Electrical and Mechanical Specifications

Frequency range	DC-40 GHz
Impedance	50 Ω
Min. Bending Radius Static	19mm
Min. Bending Radius Repeated	38mm
Velocity of Propagation	82%
Weight	37g/m
Shielding Effectiveness	>90 dB
Temperature(Operation)	-50~150 $^\circ\text{C}$
Withstanding Voltage	1000 V
Temperature(Storage)	-60~160 $^\circ\text{C}$
*Mechanical Phase Stability	< $\pm 5^\circ$
Amplitude Stability vs Shaking	< $\pm 0.1\text{dB}$
Temp Phase Stability	<680ppm(-40 $^\circ\text{C}$ to +85 $^\circ\text{C}$)

SRFS TELEINFRA



Ultra-Low Loss Phase and Amplitude Stable Flexible Cable SRFS380P



Attenuation(Typical@25°C&VSWR=1.0) & Power(VSWR=1.0; 40°C; Sea level)

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	14000	18000	26500	40000
dB/100 Meter	17.3	31.9	45.5	64.9	80.1	93.1	104.7	115.3	125.1	143.0	176.1	220.5
Avg.Power kW	0.940	0.511	0.359	0.251	0.203	0.175	0.156	0.141	0.130	0.114	0.093	0.074

Attenuation at any frequency = $[0.991549 \times \text{SQRT}(\text{FMHz})] + [0.0005555 \times \text{FMHz}]$

Available connectors

Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
SMA	Male	Straight	Standard	26.5	1.3
2.92mm	Male	Straight	Standard	40	1.3



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