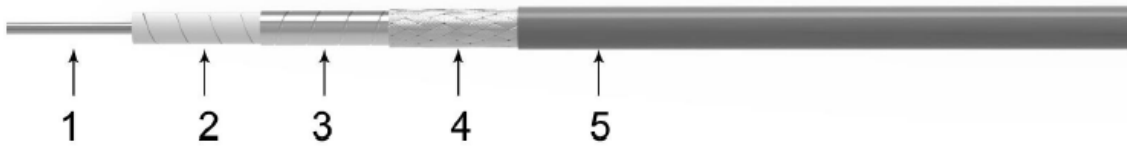


Features & Benefits

- Excellent phase stability with flexure 18GHz $\leq 5^\circ$
- High Power Handling
- Temperature phase stability $< 500\text{ppm}(-40^\circ\text{C to } +85^\circ\text{C})$
- Alternative to SUCOFLEX106, CXN3450, UFB311A

Cable Construction



No.	Construction	Size(mm)	Materials
1	Center Conductor	2.30	Solid silver-plated copper
2	Dielectric	6.30	Ultra-low-density PTFE
3	Outer Conductor	6.50	Silver-plated copper tape wrap
4	Outer Shield	7.10	Silver-plated copper wire braid
5	Jacket	7.85	FEP

Electrical and Mechanical Specifications

Frequency range	DC-18 GHz
Impedance	50 Ω
Min. Bending Radius Static	40mm
Min. Bending Radius Repeated	80mm
Velocity of Propagation	83%
Weight	130g/m
Shielding Effectiveness	>90 dB
Temperature(Operation)	$-55 \sim 150$ $^\circ\text{C}$
Withstanding Voltage	2000 V
Temperature(Storage)	$-60 \sim 160$ $^\circ\text{C}$
*Mechanical Phase Stability	$< \pm 5^\circ$
Amplitude Stability vs Shaking	$< \pm 0.1$ dB
Temp Phase Stability	$< 500\text{ppm}(-40^\circ\text{C to } +85^\circ\text{C})$

SRFS TELEINFRA



Ultra-Low Loss Phase and Amplitude Stable Flexible Cable SRFS800



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

Frequency MHz	300	1000	2000	3000	6000	8000	10000	12000	14000	16000	18000
dB/100 Meter	8.0	14.8	21.1	26.0	37.3	43.4	48.9	53.9	58.6	63.0	67.1
Avg.Power kW	3.341	1.812	1.269	1.029	0.716	0.615	0.547	0.496	0.456	0.425	0.398

Attenuation at any frequency = $[0.456380 \times \text{SQRT}(\text{FMHz})] + [0.000328 \times \text{FMHz}]$

Available connectors

Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
SMA	Male/Female	Straight	Standard	18	1.3
SMA	Male	Right Angle	Standard	18	1.35
N	Male/Female	Straight	Standard	18	1.3
N	Male	Right Angle	Standard	18	1.35
TNC	Male/Female	Straight	Standard	18	1.35
TNC	Male	Right Angle	Standard	18	1.4



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