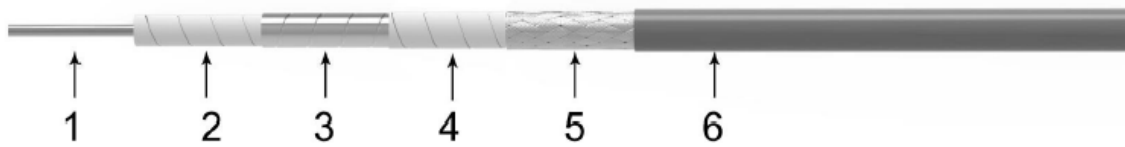


### Features & Benefits

- Excellent phase stability with flexure 26.5GHz  $\leq 5^\circ$
- Minimal attenuation change in dynamic condition
- Available in armor options
- Temperature phase stability  $< 550\text{ppm}(-40^\circ\text{C to }+85^\circ\text{C})$
- Alternative to SUCOFLEX104, CXN3449, UFB205A
- Robust structure with triple shielding

### Cable Construction



No.	Construction	Size(mm)	Materials
1	Center conductor	1.02	Solid Silver Plated Copper
2	Dielectric	2.85	LD PTFE
3	Outer conductor	3.06	Silver Plated Copper Wrap
4	Interlayer	3.22	LD 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 $\Omega$
Min.Bending Radius Static	19mm
Min. Bending Radius Repeated	38mm
Velocity of Propagation	82%
Weight	37g/m
Shielding Effectiveness	$>90\text{ dB}$
Temperature(Operation)	$-55 \sim 150\text{ }^\circ\text{C}$
Withstanding Voltage	1000 V
Temperature(Storage)	$-60 \sim 160\text{ }^\circ\text{C}$
*Mechanical Phase Stability	$< \pm 5^\circ$
Amplitude Stability vs Shaking	$< \pm 0.1\text{ dB}$
Temp Phase Stability	$< 680\text{ppm}(-40^\circ\text{C to }+85^\circ\text{C})$

# SRFS TELEINFRA



Ultra-Low Loss Phase and Amplitude Stable Flexible Cable DC-40 GHz



## 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= $[0.715686 \times \text{SQRT}(\text{FMHz})] + [0.000328 \times \text{FMHz}]$												

## 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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