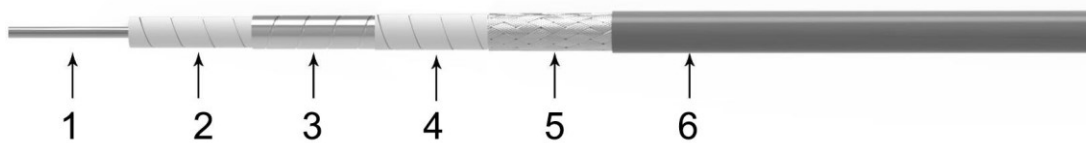


Features & Benefits

- 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	1.45	Silver Plated Copper
2	Dielectric	4.00	LD PTFE
3	Outer conductor	4.20	Silver Plated Copper Wrap
4	Interlayer	4.45	PTFE
5	Outer shield	4.90	Silver Plated Copper Braid
6	Jacket	5.40	Grey FEP

Electrical and Mechanical Specifications	
Frequency range	DC-26.5 GHz
Impedance	50 Ω
Min.Bending Radius Static	26mm
Min. Bending Radius Repeated	52mm
Velocity of Propagation	82%
Weight	63g/m
Shielding Effectiveness	$>90\text{ dB}$
Temperature(Operation)	$-55 \sim 150\text{ }^\circ\text{C}$
Withstanding Voltage	1500 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	$< 550\text{ppm}(-40^\circ\text{C to }+85^\circ\text{C})$

SRFS TELEINFRA



Ultra-Low Loss Phase and Amplitude Stable Flexible Cable DC-26.5 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	20000	26500
dB/100 Meter	12.5	23.0	32.7	46.6	57.4	66.6	74.8	82.3	89.3	101.9	107.8	125.2
Avg.Power kW	1.608	0.875	0.615	0.431	0.350	0.302	0.268	0.244	0.225	0.197	0.186	0.160

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/Female	Straight	Standard	26.5	1.3
SMA	Male	Right Angle	Standard	18	1.35
N	Male	Straight	Standard	18	1.25
N	Male	Right Angle	Standard	18	1.35
N	Female	Straight	Standard	18	1.35
TNC	Male	Straight	Standard	18	1.35
3.5mm	Male	Straight	Standard	26.5	1.3



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