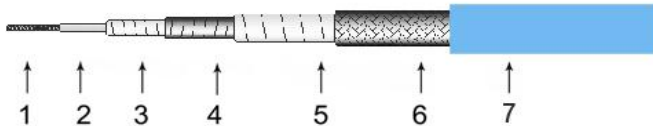


Features & Benefits

- Ultra-flexible with stranded inner conductor
- 35% lower attenuation than UF520
- Armor and ruggedization available
- Alternative to SUCOFLEX®126
- Very good phase stability over flexure $\leq \pm 3^\circ$ to 18 GHz

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	1.45	Stranded silver plated copper
2	Strengthening layer	1.63	FEP
3	Dielectric	3.90	LD PTFE wrapping
4	Outer Conductor	4.12	Silver plated copper strip wrapping
5	Interlayer	4.40	PTFE
6	Outer Shield	4.76	Silver plated copper wire braiding
7	Jacket	5.30	FEP

Electrical

Frequency	DC-26.5 GHz
Impedance	50 Ω
Velocity of Propagation	83%
Shielding Effectiveness	>90 dB
Withstanding Voltage	1500 V
*Mechanical Phase Stability	$\leq \pm 3^\circ @ 18\text{GHz}$, $\leq \pm 7^\circ @ 26.5\text{GHz}$
Amplitude Stability vs Shaking	$\leq \pm 0.1\text{dB}$ to 18 GHz, $\leq \pm 0.2\text{dB}$ to 26.5 GHz
* Wrapped 360° around a 55mm diameter mandrel.	

Mechanical & Environmental

Min. Bending Radius Static	28mm
Min. Bending Radius Repeated	55mm
Weight	63g/m
Operation Temp	-50 ~ 150 °C

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	18000	20000	26500
dB/100 Meter	14.2	26.6	38.3	47.6	69.5	81.5	92.4	102.6	112.0	129.7	138.0	163.1
Avg. Power kW	1.380	0.740	0.513	0.413	0.283	0.241	0.213	0.192	0.175	0.152	0.143	0.121
Attenuation at any frequency = $[0.801100 \times \text{SQRT}(\text{FMHz})] + [0.001233 \times \text{FMHz}]$												

Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
UF550	3.5mm	Male/Female	Straight	Standard	26.5	1.3
UF550	SMA	Male/Female	Straight	Standard	26.5	1.3
UF550	N	Male/Female	Straight	Standard	18	1.3

Other connectors available upon request.