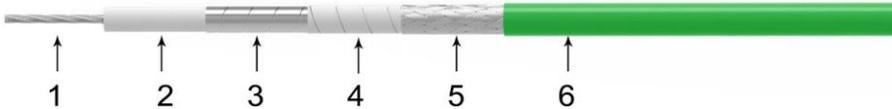


Features & Benefits

- 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 $< \pm 3^\circ$ to 18 GHz

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	1.44	Stranded silver plated copper
2	Dielectric	1.60	LD PTFE wrapping
3	Outer Conductor	4.20	Silver plated copper strip wrapping
4	Interlayer	4.55	PTFE
5	Outer Shield	5.00	Silver plated copper wire braiding
6	Jacket	5.50	FEP(Green or Light Blue)



Electrical

Frequency	DC-26.5 GHz
Impedance	50 Ω
Velocity of Propagation	83%
Shielding Effectiveness	>90 dB
Withstanding Voltage	1500 V

*Mechanical Phase Stability $< \pm 3^\circ$ @ 18GHz, $< \pm 7^\circ$ @ 26.5GHz
 Amplitude Stability vs Shaking $< \pm 0.1$ dB to 18 GHz, $< \pm 0.2$ dB to 26.5 GHz

* Wrapped 360° around a 55mm radius 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
FU550	3.5mm	Male	Straight	Standard	26.5	1.3
FU550	SMA	M/F	Straight	Standard	26.5	1.3
FU550	SMA	Female	Straight	Bulkhead	18	1.3
FU550	SMA	Male	Right Angle	Standard	26.5	1.35
FU550	N	M/F	Straight	Standard	18	1.3
FU550	N	Male	Right Angle	Standard	18	1.35
FU550	TNC	Male	Straight	Standard	18	1.35
FU550	TNC	Male	Right Angle	Standard	18	1.4