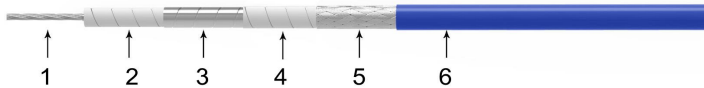


Features & Benefits

- Very good phase stability over flexure 40GHz $\pm 5^\circ$
- With super-flexible PUR jacket
- Ultra-flexible with stranded inner conductor
- Typical VSWR 1.2 to 40GHz

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.91	Stranded silver plated copper
2	Dielectric	2.75	LD PTFE wrapping
3	Outer Conductor	2.90	Silver plated copper strip wrapping
4	Interlayer	3.20	PTFE
5	Outer Shield	3.55	Silver plated copper wire braiding
6	Jacket	4.50	PUR



Electrical

Frequency	DC-40 GHz
Impedance	50 Ω
Velocity of Propagation	75%
Shielding Effectiveness	>90 dB
Withstanding Voltage	900 V
*Mechanical Phase Stability	$\pm 5^\circ$
Amplitude Stability vs Shaking	$\pm 0.15\text{dB}$
* Wrapped 360° around a 45mm radius mandrel.	

Mechanical & Environmental

Min.Bending Radius Static	20mm
Min. Bending Radius Repeated	45mm
Weight	37g/m
Operation Temp(PUR Jacket)	-50~85 °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	14000	18000	26500	30000	40000
dB/100 Meter	22.3	41.3	59.1	73.1	105.6	123.2	139.1	167.3	192.4	239.3	256.9	303.3
Avg.Power kW	0.250	0.135	0.094	0.076	0.053	0.045	0.040	0.033	0.029	0.023	0.022	0.018
Attenuation at any frequency= $[1.265700 \times \text{SQRT}(\text{FMHz})] + [0.0012544 \times \text{FMHz}]$												

Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
UF450	SMA	Male	Straight	Standard	26.5	1.25
UF450	SMA	Female	Straight	Standard	26.5	1.3
UF450	2.92mm	Male	Straight	Standard	40	1.3

Other connectors available upon request.