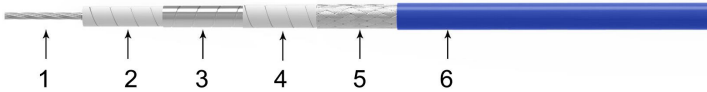


Features & Benefits

- Very good phase stability over flexure 40GHz $\leq \pm 5^\circ$
- Jacket options in PUR or PTFE material
- Ultra-flexible with stranded inner conductor
- Typical VSWR 1.25 to 40GHz

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.91	Stranded silver plated copper
2	Dielectric	2.50	Low density PTFE
3	Outer Conductor	2.66	Silver plated copper tape wrap
4	Interlayer	2.90	PTFE
5	Outer Shield	3.30	Silver plated copper wire braid
6	Jacket	3.80	PTFE wrapping



Electrical

Frequency	DC-40 GHz
Impedance	50 Ω
Velocity of Propagation	81%
Shielding Effectiveness	>90 dB
Withstanding Voltage	1000 V
*Mechanical Phase Stability	$\leq \pm 5^\circ$
Amplitude Stability vs Shaking	$\leq \pm 0.15\text{dB}$

* Wrapped 360° around a 36mm diameter mandrel.

Mechanical & Environmental

Min. Bending Radius Static	18mm
Min. Bending Radius Repeated	36mm
Weight	36g/m
Temperature(Operation)	-50~150 °C
Temperature(Storage)	-60~160 °C

Attenuation(Typical@25°C & VSWR=1.0) & Power(VSWR=1.0; 40°C; Sea level)

Frequency MHz	300	1200	3000	4000	6000	8000	10000	12000	14000	18000	26500	40000
dB/100 Meter	22.3	45.5	73.4	85.4	106.1	124.0	140.0	154.8	168.6	194.0	241.6	306.9
Avg. Power kW	0.740	0.363	0.225	0.193	0.156	0.133	0.118	0.107	0.098	0.085	0.068	0.054

Attenuation at any frequency = [1.265700 × SQRT(FMHz)] + [0.001343 × FMHz]

Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
UF360	SMA	Male	Straight	Standard	26.5	1.3
UF360	SMA	Male	Right Angle	Standard	18	1.35
UF360	2.92mm	Male	Straight	Standard	40	1.3
UF360	2.92mm	Female	Straight	Standard	40	1.3
UF360	3.5mm	Male	Straight	Standard	33	1.3

Other connectors available upon request.