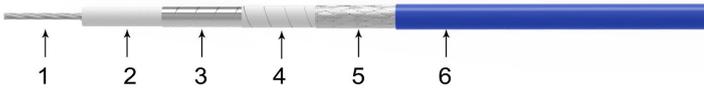


Features & Benefits

- Very good phase stability over flexure 50 GHz $<\pm 10^\circ$
- Alternative to SUCOFLEX550E
- Ultra-flexible with stranded inner conductor & PUR jacket
- Long flex life and durable, available in ruggedized armor

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.72	Stranded silver plated copper
2	Dielectric	2.10	Low density PTFE
3	Outer Conductor	2.30	Silver plated copper strip wrapping
4	Interlayer	2.50	PTFE
5	Outer Shield	2.85	Silver plated copper wire braiding
6	Jacket	3.70	PUR



Electrical

Frequency	DC-50 GHz
Impedance	50 Ω
Velocity of Propagation	76%
Shielding Effectiveness	>90 dB
Withstanding Voltage	1000 V
*Mechanical Phase Stability	$<\pm 5^\circ@18\text{GHz}$, $<\pm 8^\circ@40\text{GHz}$, $<\pm 10^\circ@50\text{GHz}$
Amplitude Stability vs Shaking	$<\pm 0.05\text{dB}@18\text{GHz}$, $<\pm 0.1\text{dB}@40\text{GHz}$, $<\pm 0.15\text{dB}@50\text{GHz}$

* Wrapped 360° around a 36mm radius mandrel.

Mechanical & Environmental

Min. Bending Radius Static	18mm
Min. Bending Radius Repeated	37mm
Weight	30g/m
Temperature(Operation)	-50~85 °C
Temperature(Storage)	-60~85 °C

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

Frequency MHz	300	1000	2000	4000	6000	8000	10000	14000	18000	26500	40000	50000
dB/100 Meter	29.0	53.3	75.8	108.0	133.0	154.4	173.3	206.5	235.6	289.1	360.3	406.4
Avg. Power kW	0.600	0.327	0.230	0.161	0.131	0.113	0.101	0.084	0.074	0.060	0.048	0.043

Attenuation at any frequency = $[1.664388 \times \text{SQRT}(\text{FMHz})] + [0.0006856 \times \text{FMHz}]$

Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
FU370P	N	Male	Straight	Standard	18	1.3
FU370P	SMA	Male	Straight	Standard	26.5	1.3
FU370P	3.5mm	F/M	Straight	Standard	33	1.3
FU370P	2.92mm	F/M	Straight	Standard	40	1.3
FU370P	2.4mm	F/M	Straight	Standard	50	1.4

Other connectors available upon request.