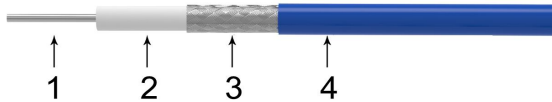


Features & Benefits

- Hand formable to any shape without tools
- 6mm bend radius for tight installations
- FEP jacket or unjacketed option
- Ideal for interconnect of RF systems

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.53	silver plated copper
2	Dielectric	1.65	Solid PTFE
3	Shielding	2.17	Tin Soaked copper Wire braid
4	Jacket	2.65	FEP

Electrical

Frequency	DC-18 GHz
Impedance	50 Ω
Velocity of Propagation	70%
Shielding Effectiveness	>90 dB
Withstanding Voltage	500 V

Mechanical & Environmental

Min. Bending Radius Static	6 mm
Min. Bending Radius Repeated	27 mm
Weight	22g/m
Temperature(Operation)	-55~125 °C
Temperature(Storage)	-65~125 °C

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

Frequency MHz	500	1000	2000	3000	6000	8000	10000	12000	12400	14000	16000	18000
dB / Meter	0.49	0.71	1.05	1.32	1.99	2.37	2.72	3.06	3.12	3.37	3.68	3.97
Avg. Power / W	190	131	89	70	47	39	34	30	30	28	25	23

Attenuation at any frequency=[2.0341207×SQRT(FMHz)]+[0.0068898×FMHz]

Available connectors

Cable P/N	Connectors	Gender	Connector Type	Orientation	Max Freq.(GHz)	VSWR Max
SF086	SMA	Male/Female	Direct solder	Straight	18	1.3
SF086	SMA	Male	Direct solder	Right Angle	12.4	1.35
SF086	N	Male/Female	Direct solder	Straight	18	1.3
SF086	N	Male	Direct solder	Right Angle	18	1.35
SF086	2.92mm	Male/Female	Direct solder	Straight	40*	1.35
SF086	SMP	Male/Female	Direct solder	Straight	18/40*	1.35/1.45
SF086	SMP	Female	Direct solder	Right Angle	18/27*	1.35/1.45
SF086	SMPM	Male/Female	Direct solder	Straight	18/40*	1.35/1.45
SF086	SMPM	Female	Direct solder	Right Angle	18/27*	1.35/1.45

*Cable assemblies higher than 18GHz are available for special request only.