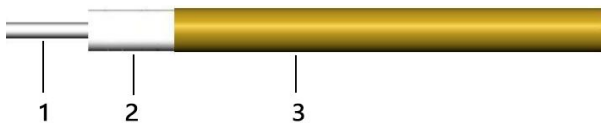


## Features & Benefits

- Operating to 40 GHz
- Available in bulk cable or custom cable assemblies
- 0.86" size cable
- Formstable for convenient and precise installations

## Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.53	Solid silver-plated copper
2	Dielectric	1.68	Solid PTFE
3	Outer Conductor	2.20	Bare copper or ternary alloy plated copper



## Electrical

Frequency	DC-40 GHz
Impedance	50 Ω
Velocity of Propagation	70%
Shielding Effectiveness	>120 dB @8 GHz
Working Voltage (DC)	500 V

## Mechanical & Environmental

Inside Bend Radius	8mm
Weight	22g/m
Temperature (Operation)	-60~200 °C

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

Frequency MHz	500	1000	2000	4000	6000	8000	10000	12000	18000	26500	30000	40000
dB/100 Meter	45.1	64.5	92.8	134.4	167.6	196.4	222.5	246.5	310.8	389.6	419.4	498.7
Avg.Power kW	0.190	0.133	0.092	0.064	0.051	0.044	0.038	0.035	0.028	0.022	0.020	0.017

Attenuation at any frequency=[1.95550×SQRT(FMHz)]+[0.0026905×FMHz]

## Available connectors

Cable P/N	Connectors	Gender	Connector type	Mounting	Max Freq.(GHz)	VSWR Max
SG086S	2.92mm	Male	Direct solder	Standard	40	1.3
SG086S	SMA	Male/Female	Direct solder	Standard	18	1.25
SG086S	SMA	Male	Clamp	Standard	26.5	1.3

Other connectors available upon request.