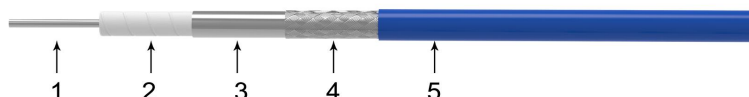


Features & Benefits

- Attractive cost vs performance ratio
- Small size, highly flexible
- Good amplitude stability vs flex
- Up to 26.5GHz with low attenuation

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center conductor	0.56	Solid silver plated copper
2	Dielectric	1.67	Low density PTFE
3	Outer conductor	1.83	Aluminum foil wrap
4	Outer shield	2.20	Silver-plated copper wire braid
5	Jacket	2.80	FEP



Electrical

Frequency	DC-26.5 GHz
Impedance	50 Ω
Velocity of Propagation	76%
Shielding Effectiveness	>90 dB
Withstanding Voltage	500 V
Mechanical Phase Stability*	<±10°
Amplitude Stability vs Shaking	<±0.1dB

* Wrapped 360° around a 28mm radius mandrel.

Mechanical & Environmental

Min. Bending Radius Static	12mm
Min. Bending Radius Repeated	28mm
Weight	18g/m
Temperature(Operation)	-55~150 °C
Temperature(Storage)	-60~160 °C

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

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	14000	16000	18000	26500
dB/100 Meter	32.5	60.7	87.4	126.9	158.6	186.1	211.0	234.1	255.7	276.3	295.9	372.1
Avg.Power kW	0.187	0.100	0.070	0.048	0.038	0.033	0.029	0.026	0.024	0.022	0.021	0.016
K1=1.830000				K2=0.002800								
Attenuation at any frequency=[K1×SQRT(FMHz)]+[K2×FMHz]												

Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
EL280	SMA	M/F	Straight	Standard	26.5	1.25/1.3
EL280	SMA	M/F	Right angle	Standard	26.5	1.25/1.3
EL280	N	Male	Straight	Standard	18	1.3

The connectors are available in both clamp and direct solder types. Other connectors available upon request.