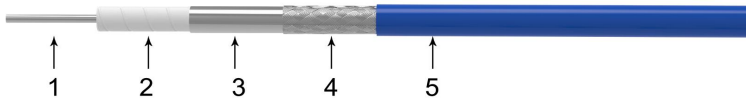


Features & Benefits

- Attractive cost vs performance ratio
- Low Loss,high power handling
- Good amplitude stability vs flex
- Up to 13.5 GHz

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center conductor	1.45	Solid silver plated copper
2	Dielectric	4.30	Low density PTFE
3	Outer conductor	4.38	Aluminum foil wrap
4	Outer shield	4.78	Silver-plated copper wire braid
5	Jacket	5.20	FEP



Electrical

Frequency	DC-13.5 GHz
Impedance	50 Ω
Velocity of Propagation	76%
Shielding Effectiveness	>90 dB
Withstanding Voltage	1500 V
Mechanical Phase Stability*	<±6°@ DC-13.5GHz
Amplitude Stability vs Shaking	<±0.1dB

* Wrapped 360° around a 52mm diameter mandrel.

Mechanical & Environmental

Min.Bending Radius Static	20mm
Min. Bending Radius Repeated	52mm
Weight	60g/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	1400	4000	6000	8000	10000	10500	11000	12400	13500
dB/100 Meter	12.8	23.8	28.4	49.8	62.1	72.9	82.7	85.0	87.3	93.4	98.1
Avg.Power kW	1.428	0.766	0.642	0.366	0.293	0.250	0.220	0.214	0.209	0.195	0.186
	K1=0.718000						K2=0.001088				
	Attenuation at any frequency=[K1×SQRT(FMHz)]+[K2×FMHz]										

Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
EL520	SMA	Male	Straight	Standard	13.5	1.3
EL520	N	Male	Straight	Standard	13.5	1.3
EL520	N	Male	Right Angle	Standard	13.5	1.35
EL520	N	Female	Straight	Standard	13.5	1.35
EL520	TNC	Male	Straight	Standard	13.5	1.35

Other connectors available upon request.