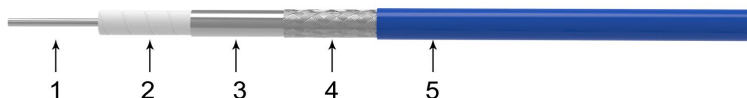


Features & Benefits

- Attractive cost vs performance ratio
- Low VSWR typical 1.20 to 18 GHz
- Good amplitude stability vs flex
- Up to 18GHz with low attenuation

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center conductor	0.94	Solid silver plated copper
2	Dielectric	2.75	Low density PTFE
3	Outer conductor	2.80	Aluminum foil wrap
4	Outer shield	3.20	Silver-plated copper wire braid
5	Jacket	3.50	FEP



Electrical

Frequency	DC-18 GHz
Impedance	50 Ω
Velocity of Propagation	76%
Shielding Effectiveness	>90 dB
Withstanding Voltage	800 V
Mechanical Phase Stability*	<±8°
Amplitude Stability vs Shaking	<±0.1dB

* Wrapped 360° around a 35mm radius mandrel.

Mechanical & Environmental

Min.Bending Radius Static	14mm
Min. Bending Radius Repeated	35mm
Weight	29g/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	700	1000	2000	6000	8000	10000	12000	14000	16000	18000
dB/100 Meter	20.9	32.1	38.6	55.1	97.6	113.6	128.0	141.1	153.3	164.8	175.7
Avg.Power kW	0.850	0.553	0.461	0.323	0.182	0.156	0.139	0.126	0.116	0.108	0.101
K1=1.191839						K2=0.00088					
Attenuation at any frequency=[K1×SQRT(FMHz)]+[K2×FMHz]											

Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
EL350	SMA	M/F	Straight	Standard	18	1.25/1.3
EL350	N	M/F	Straight	Standard	18	1.3/1.35

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