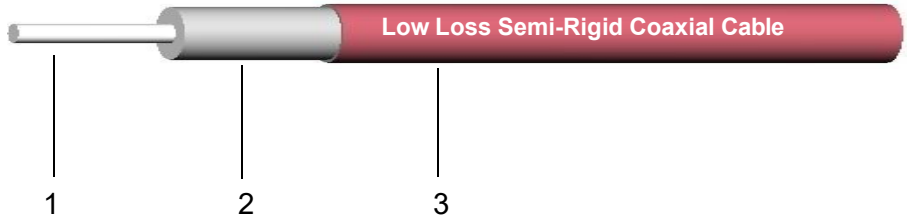


■ E Series Semi-Rigid, Low Loss

E086



Cable Construction

	Description	Dimensions (mm)	Materials
1	Inner Conductor	0.56	SPC
2	Dielectric	1.68	PTFE
3	Outer Conductor	2.18	Immersion Tin Copper/Cu-Sn-Zn Alloy

Mechanical & Environmental Specifications

Static Bend Radius: 7mm
 Weight: 0.021 kg/m
 Operating Temperature Range: -55°C~+250°C

Electrical Specifications

Frequency Range: 40 GHz
 Cutoff Frequency: 64 GHz
 Characteristic Impedance: 50 Ω
 Velocity of Propagation: 70%
 Shielding Effectiveness: >165dB
 Maximum Voltage: 500 VDC

Attenuation (Typical Value @ +25°C & VSWR = 1) Power (Typical Value @ +40°C, Sea Level)

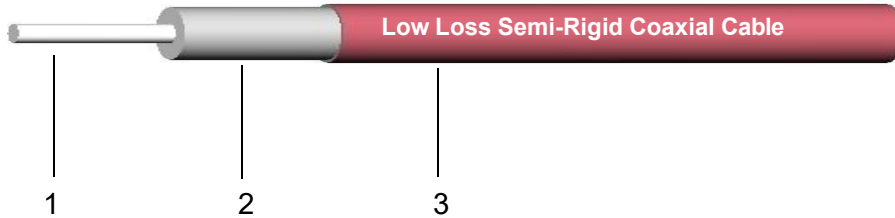
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/100m)	58.3	82.8	101.7	144.9	168.0	188.4	210.6	255.5	312.8	388.7
Avg.Power (kW)	0.259	0.182	0.148	0.104	0.090	0.080	0.072	0.059	0.048	0.039
			K1=	1.825328						
			K2=	0.000590						
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)						

Features

- Low Loss
- Low VSWR
- Low Passive Intermodulation (-155 dBc)

■ E Series Semi-Rigid, Low Loss

E141



Cable Construction

	Description	Dimensions (mm)	Materials
1	Inner Conductor	0.99	SPC
2	Dielectric	3.00	PTFE
3	Outer Conductor	3.58	Immersion Tin Copper/Cu-Sn-Zn Alloy

Mechanical & Environmental Specifications

Static Bend Radius: 10mm
 Weight: 0.047 kg/m
 Operating Temperature Range: -55°C~+250°C

Electrical Specifications

Frequency Range: 26.5 GHz
 Cutoff Frequency: 36 GHz
 Characteristic Impedance: 50 Ω
 Velocity of Propagation: 70%
 Shielding Effectiveness: >165dB
 Maximum Voltage: 1000 VDC

Attenuation (Typical Value @ +25°C & VSWR = 1) Power (Typical Value @ +40°C, Sea Level)

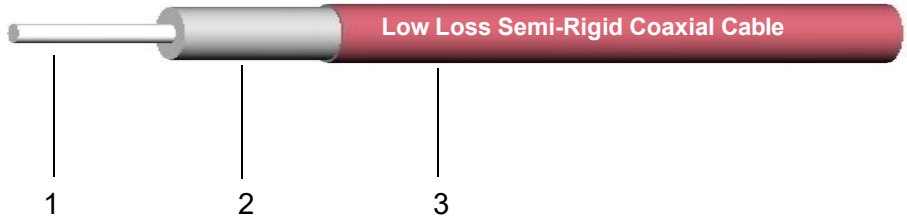
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500
Attenuation (dB/100m)	31.7	45.5	56.4	81.7	95.6	108.1	121.8	150.3	187.7
Avg. Power (kW)	0.550	0.383	0.309	0.213	0.182	0.161	0.143	0.116	0.093
			K1=	0.965845					
			K2=	0.001151					
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)					

Features

- Low Loss
- Low VSWR
- Low Passive Intermodulation (-155 dBc)

■ E Series Semi-Rigid, Low Loss

E250



Cable Construction

	Description	Dimensions (mm)	Materials
1	Inner Conductor	1.78	SPC
2	Dielectric	5.33	PTFE
3	Outer Conductor	6.35	Immersion Tin Copper/Cu-Sn-Zn Alloy

Mechanical & Environmental Specifications

Static Bend Radius: 32mm
 Weight: 0.136 kg/m
 Operating Temperature Range: -55°C~+250°C

Electrical Specifications

Frequency Range: 18 GHz
 Cutoff Frequency: 19 GHz
 Characteristic Impedance: 50 Ω
 Velocity of Propagation: 70%
 Shielding Effectiveness: >165dB
 Maximum Voltage: 2200 VDC

Attenuation (Typical Value @ +25°C & VSWR = 1) Power (Typical Value @ +40°C, Sea Level)

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000
Attenuation (dB/100m)	18.3	26.2	32.4	47.0	54.9	62.1	69.9	86.1
Avg.Power (kW)	1.878	1.309	1.058	0.730	0.625	0.553	0.491	0.398
			K1=	0.557600				
			K2=	0.000630				
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)				

Features

- Low Loss
- Low VSWR
- Low Passive Intermodulation (-155 dBc)