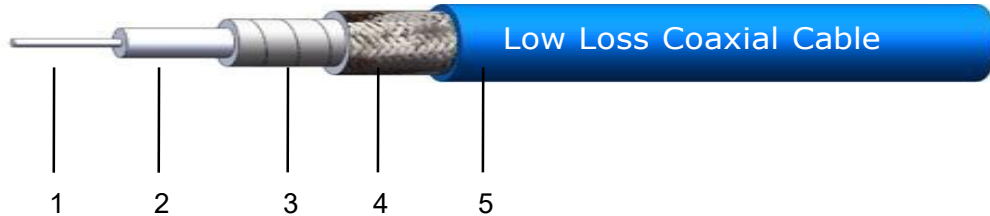


■ J Series Flexible, Economy

J230



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	0.51	Solid SPC
2	Dielectric	1.52	LD-PTFE
3	Outer Conductor	1.70	SPC Strip
4	Outer Shield	2.04	SPC Braid
5	Jacket	2.33	Blue FEP

Mechanical & Environmental Specifications

Static Bend Radius : 11mm
 Dynamic Bend Radius : 23mm
 Weight: 0.016 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 40 GHz
 Cutoff Frequency : 71 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 76%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 400 VDC

Attenuation (Typical Value @ +25°C & VSWR = 1)

Power (Typical Value @ +40°C, Sea Level)

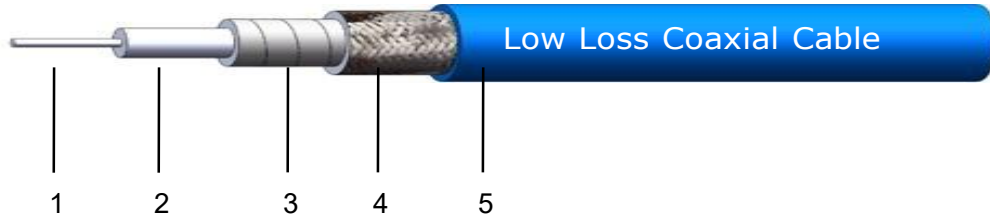
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/100m)	70.1	99.8	122.9	176.0	204.5	229.9	257.6	314.1	386.8	484.3
Avg. Power (kW)	0.097	0.068	0.055	0.039	0.033	0.030	0.026	0.022	0.018	0.014
			K1=	2.177342						
			K2=	0.001221						
		Formula:		$K1 \times \sqrt{F(\text{MHz})} + K2 \times F(\text{MHz})$						

Features

Low Loss
 High power
 Low Passive Intermodulation (-155 dBc)
 Cost-effective

■ J Series Flexible, Economy

J400



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	0.91	Solid SPC
2	Dielectric	2.70	LD-PTFE
3	Outer Conductor	2.85	SPC Strip
4	Outer Shield	3.30	SPC Braid
5	Jacket	3.75	Green FEP

Mechanical & Environmental Specifications

Static Bend Radius : 19mm
 Dynamic Bend Radius : 38mm
 Weight: 0.034 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 40 GHz
 Cutoff Frequency : 40 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 76%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 1000 VDC

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

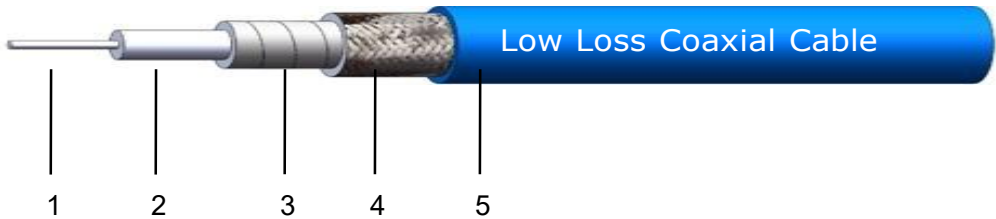
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/100m)	39.4	56.0	68.9	98.2	113.9	127.9	143.0	173.7	212.9	265.0
Avg.Power (kW)	0.753	0.530	0.431	0.302	0.261	0.232	0.208	0.171	0.139	0.112
			K1=	1.232579						
			K2=	0.000462						
		Formula:	K1 x √ F(MHz)+K2 x F(MHz)							

Features

Low Loss
 High power
 Low Passive Intermodulation (-155 dBc)
 Cost-effective

■ **J Series** Flexible, Economy

J500



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.29	Solid SPC
2	Dielectric	3.85	LD-PTFE
3	Outer Conductor	4.05	SPC Strip
4	Outer Shield	4.62	SPC Braid
5	Jacket	5.20	Blue FEP

Mechanical & Environmental Specifications

Static Bend Radius : 26mm
 Dynamic Bend Radius : 52mm
 Weight: 0.066 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 26 GHz
 Cutoff Frequency : 28 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 76%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 1000 VDC

Attenuation (Typical Value @ +25°C & VSWR = 1)

Power (Typical Value @ +40°C, Sea Level)

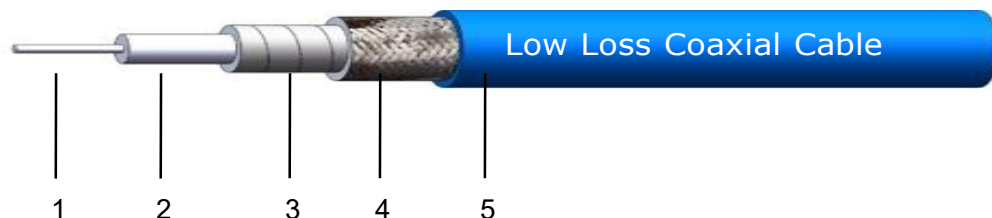
Attenuation (dB/100m)	25.0	35.6	44.0	63.2	73.7	83.0	93.1	114.0	141.1
Avg.Power (kW)	0.749	0.524	0.425	0.296	0.254	0.225	0.201	0.164	0.132
			K1=	0.770610					
			K2=	0.000591					
		Formula:	K1 x √ F(MHz)+K2 x F(MHz)						

Features

Low Loss
 High power
 Low Passive Intermodulation (-155 dBc)
 Cost-effective

■ J Series Flexible, Economy

J520S



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.35	Solid SPC
2	Dielectric	3.80	LD-PTFE
3	Outer Conductor	4.00	SPC Strip
4	Outer Shield	4.55	SPC Braid
5	Jacket	5.30	Green FEP

Mechanical & Environmental Specifications

Static Bend Radius : 26mm
 Dynamic Bend Radius : 53mm
 Weight: 0.068 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 26.5 GHz
 Cutoff Frequency : 28 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 76%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 1000 VDC

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

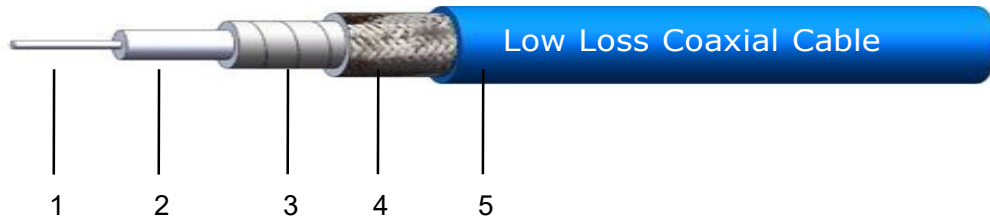
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500
Attenuation (dB/100m)	30.6	43.6	53.7	77.0	89.5	100.7	112.9	137.8	169.9
Avg.Power (kW)	0.749	0.525	0.426	0.297	0.256	0.227	0.203	0.166	0.135
			K1=	0.947785					
			K2=	0.000591					
		Formula:		$K1 \times \sqrt{F(\text{MHz})} + K2 \times F(\text{MHz})$					

Features

Low Loss
 High power
 Low Passive Intermodulation (-155 dBc)
 Cost-effective

■ J Series Flexible, Economy

J530



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.44	Solid SPC
2	Dielectric	4.15	LD-PTFE
3	Outer Conductor	4.35	SPC Strip
4	Outer Shield	4.90	SPC Braid
5	Jacket	5.30	Blue FEP

Mechanical & Environmental Specifications

Static Bend Radius : 26mm
 Dynamic Bend Radius : 53mm
 Weight: 0.070 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 18 GHz
 Cutoff Frequency : 25 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 76%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 1000 VDC

Attenuation (Typical Value @ +25°C & VSWR = 1)

Power (Typical Value @ +40°C, Sea Level)

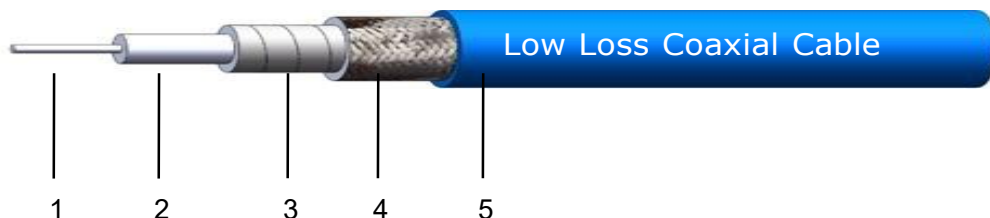
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000
Attenuation (dB/100m)	25.3	35.9	44.2	63.0	73.1	82.1	91.9	111.7
Avg. Power (kW)	0.991	0.697	0.567	0.397	0.342	0.305	0.273	0.224
			K1=	0.788400				
			K2=	0.000328				
		Formula:		$K1 \times \sqrt{F(\text{MHz})} + K2 \times F(\text{MHz})$				

Features

Low Loss
 High power
 Low Passive Intermodulation (-155 dBc)
 Cost-effective

■ J Series Flexible, Economy

J530S



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.44	Solid SPC
2	Dielectric	4.10	LD-PTFE
3	Outer Conductor	4.30	SPC Strip
4	Outer Shield	4.85	SPC Braid
5	Jacket	5.30	Blue FEP

Mechanical & Environmental Specifications

Static Bend Radius : 26mm
 Dynamic Bend Radius : 53mm
 Weight: 0.075 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 18 GHz
 Cutoff Frequency : 25 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 76%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 1000 VDC

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

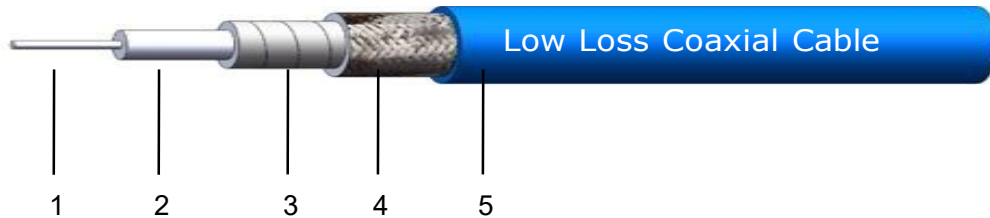
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000
Attenuation (dB/100m)	30.4	43.5	53.8	77.6	90.6	102.2	115.0	141.3
Avg.Power (kW)	0.821	0.573	0.464	0.321	0.275	0.244	0.217	0.177
			K1=	0.932400				
			K2=	0.000900				
		Formula:		K1 x√ F(MHz)+K2 x F(MHz)				

Features

Low Loss
 High power
 Low Passive Intermodulation (-155 dBc)
 Cost-effective

■ J Series Flexible, Economy

J635



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.57	Solid SPC
2	Dielectric	4.72	LD-PTFE
3	Outer Conductor	4.90	SPC Strip
4	Outer Shield	5.50	SPC Braid
5	Jacket	6.35	Blue FEP

Mechanical & Environmental Specifications

Static Bend Radius : 31mm
 Dynamic Bend Radius : 63mm
 Weight: 0.094 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 18 GHz
 Cutoff Frequency : 23 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 76%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 2000 VDC

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

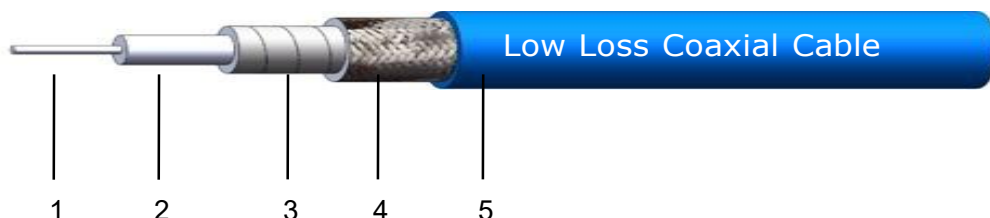
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000
Attenuation (dB/100m)	21.4	30.6	37.9	54.6	63.7	71.8	80.7	99.0
Avg.Power (kW)	1.019	0.712	0.577	0.400	0.343	0.304	0.271	0.220
			K1=	0.658847				
			K2=	0.000591				
		Formula:		K1 x √ F(MHz)+K2 x F(MHz)				

Features

Low Loss
 High power
 Low Passive Intermodulation (-155 dBc)
 Cost-effective

■ J Series Flexible, Economy

J900



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	2.44	Solid SPC
2	Dielectric	7.24	LD-PTFE
3	Outer Conductor	7.48	SPC Strip
4	Outer Shield	8.05	SPC Braid
5	Jacket	8.70	Blue FEP

Mechanical & Environmental Specifications

Static Bend Radius : 46mm
 Dynamic Bend Radius : 93mm
 Weight: 0.190 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 10 GHz
 Cutoff Frequency : 14 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 76%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 2500 VDC

Attenuation (Typical Value @ +25°C & VSWR = 1)

Power (Typical Value @ +40°C, Sea Level)

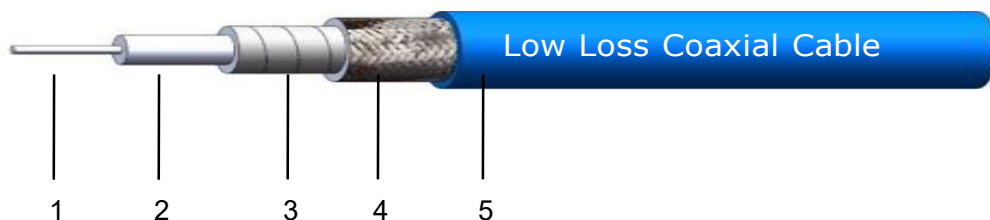
Frequency (MHz)	1000	2000	3000	4000	5000	6000	8000	10000
Attenuation (dB/100m)	12.6	18.1	22.5	26.3	29.8	32.9	38.6	43.8
Avg.Power (kW)	1.833	1.271	1.023	0.875	0.775	0.701	0.597	0.526
			K1=	0.379168				
			K2=	0.000591				
		Formula:	$K1 \times \sqrt{F(\text{MHz})} + K2 \times F(\text{MHz})$					

Features

Low Loss
 High power
 Low Passive Intermodulation (-155 dBc)
 Cost-effective

■ J Series Flexible, Economy

J940



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	2.58	Solid SPC
2	Dielectric	7.80	LD-PTFE
3	Outer Conductor	-	SPC Strip
4	Outer Shield	8.75	SPC Braid
5	Jacket	9.40	Blue FEP

Mechanical & Environmental Specifications

Static Bend Radius : 50mm
 Dynamic Bend Radius : 100mm
 Weight: 0.208 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 10 GHz
 Cutoff Frequency : 13 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 76%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 2500 VDC

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

Frequency (MHz)	1000	2000	3000	4000	5000	6000	8000	10000
Attenuation (dB/100m)	14.2	20.4	25.2	29.3	33.0	36.4	42.5	48.0
Avg. Power (kW)	3.137	2.190	1.771	1.522	1.351	1.226	1.050	0.930
			K1=	0.396177				
			K2=	0.000398				
		Formula:	$K1 \times \sqrt{F(\text{MHz})} + K2 \times F(\text{MHz})$					

Features

Low Loss
 High power
 Low Passive Intermodulation (-155 dBc)
 Cost-effective