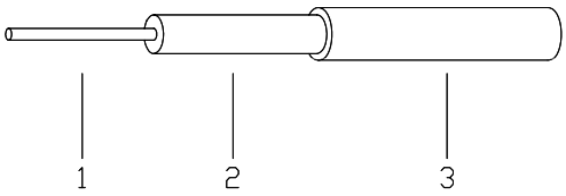
SR034 Cable



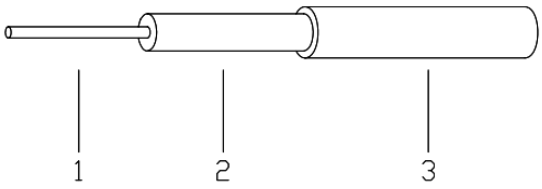
Construction Specification		
Structure	Diameter(mm)	Materials
1.Inner Conductor	0.2±0.01	Silver Plated Copper Clad Steel
2.Dielectric	0.66±0.05	PTFE
3.Outer Conductor	0.86±0.05	Copper Tube

Electrical Characteristics & Mechanical Characteristics	
Impedance	50Ohm ±2
Capacitance (pF/m)	98.0
Min. Bending Radius (mm)	5
Velocity (%)	70
Time Delay (ns/m)	4.7
Voltage Withstanding (KVRMS)	0.5 (1 min)
Shielding Effect (dB)	>110(0-1G)
Operating Temp.(℃)	-55 to 125

Attenuation and Power (Max@25℃)		
Frequency (GHz)	dB/M	Power(Watts CW)
0.5	1.20	30.5
1	1.59	21.5
5	3.62	9.5
10	5.20	6.6
20	7.52	4.6

SR047 Cable

RoHS



Construction Specification		
Structure	Diameter(mm)	Materials
1.Inner Conductor	0.29	Silver Plated Copper Clad Steel
2.Dielectric	0.94	PTFE
3.Outer Conductor	1.19	① Tin plated Copper Tube ② Albaloy-plated Copper tube

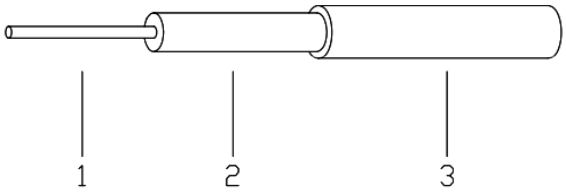
Electrical Characteristics & Mechanical Characteristics	
Impedance	50Ohm
Capacitance (pF/m)	95.1
Min. Bending Radius (mm)	4.20
Corona Extinction Voltage (VRMS@60Hz)	1000
Voltage Withstanding (VRMS@60Hz)	2000.0
Moding Frequency (GHz)	109
Outer Conductor Integrity Temp.(℃)	175
Operating Temp.(℃)	-55 to 125

Attenuation (Max@25℃)

Frequency (GHz)	Attenuation (dB/100M)	Average Power((①/②)/ CW)
0.5	79.0	67.4/62.2
1	113.0	47.4/43.7
5	259.0	24.7/19.1
10	374.0	14.4/13.3
20	544.0	9.9/9.2

SR086 Cable

RoHS

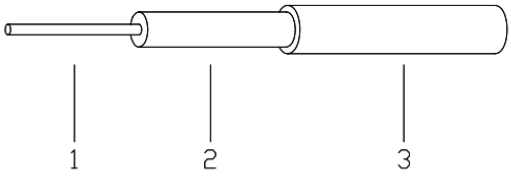


Construction Specification		
Structure	Diameter(mm)	Materials
1.Inner Conductor	0.51	Silver Plated Copper Clad Steel
2.Dielectric	1.68	PTFE
3.Outer Conductor	2.18	① Tin plated Copper Tube ② Albaloy-plated Copper tube

Electrical Characteristics & Mechanical Characteristics	
Impedance	50Ohm
Capacitance (pF/m)	95.1
Min. Bending Radius (mm)	7.63
Corona Extinction Voltage (KVRMS@60Hz)	1.5
Voltage Withstanding (KVRMS@60Hz)	5.0
Cut-off Frequency (GHz)	61
Outer Conductor Integrity Temp.(℃)	175
Operating Temp.(℃)	-55 to 125

Attenuation (Max@25℃)		
Frequency (GHz)	dB/M	Average Power((①/②)/ CW)
1	0.64	162.4 / 121.5
5	1.51	69.8 / 52.2
10	2.22	47.9 / 35.8
20	3.29	32.6 / 24.3

SR086-AL Cable



Construction Specification		
Structure	Diameter(mm)	Materials
1.Inner Conductor	0.51	Silver Plated Copper Clad Steel
2.Dielectric	1.68	PTFE
3.Outer Conductor	2.15	Tin plated Aluminum Tube

Electrical Characteristics	
Capacitance (PF/m)	95.1
Impedance	50Ohm
Corona Extinction Voltage (VRMS@60Hz)	1500
Voltage Withstanding (VRMS@60Hz)	5000
Moding Frequency (GHz)	61

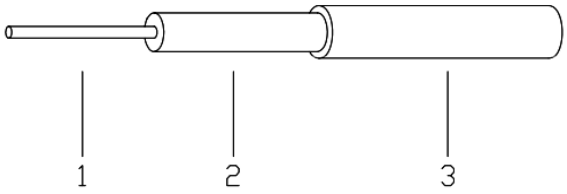
Mechanical Characteristics	
Min.Inside Bend Radius(mm)	7.63
Outer Conductor Integrity Temp.(℃)	N/A
Operating Temp.(℃)	-55 to +125

Attenuation & Average Power @ 20 ℃ and Sea Level

Frequency (GHz)	Attenuation(dB/100m)	Power(Watts KW)
0.5	45	173.5
1.0	64.00	121.5
5.0	151.00	52.2
10.0	222.00	35.8
20.0	329.00	24.3

SR141 Cable

RoHS

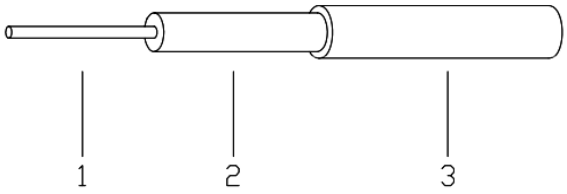


Construction Specification		
Structure	Diameter(mm)	Materials
1.Inner Conductor	0.92	Silver Plated Copper Clad Steel
2.Dielectric	3.00	PTFE
3.Outer Conductor	3.58	① Tin plated Copper Tube ② Albaloy-plated Copper tube

Electrical Characteristics & Mechanical Characteristics	
Impedance	50Ohm
Capacitance (pF/m)	95.1
Min. Bending Radius (mm)	12.5
Corona Extinction Voltage (KVRMS@60Hz)	1.9
Voltage Withstanding (KVRMS@60Hz)	5.0
Cut-off Frequency (GHz)	34
Outer Conductor Integrity Temp.(℃)	175
Operating Temp.(℃)	-55 to 125

Attenuation (Max@25℃)		
Frequency (GHz)	dB/M	Average Power(KW)
1	0.38	336.2
5	0.91	140.4
10	1.37	94.6
20	2.09	62.7

SR141-AL Cable

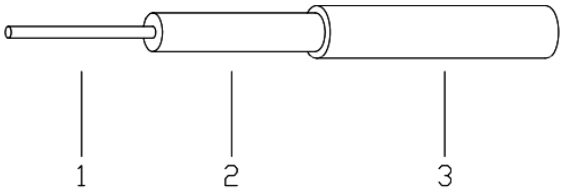


Construction Specification		
Structure	Diameter(mm)	Materials
1.Inner Conductor	0.92	Silver Plated Copper Clad Steel
2.Dielectric	3.00	PTFE
3.Outer Conductor	3.58	Tin plated Copper Tube

Electrical Characteristics & Mechanical Characteristics	
Impedance	50Ohm
Capacitance (pF/m)	95.1
Min. Bending Radius (mm)	12.5
Corona Extinction Voltage (KVRMS@60Hz)	1.9
Voltage Withstanding (KVRMS@60Hz)	5.0
Cut-off Frequency (GHz)	34
Outer Conductor Integrity Temp.(℃)	175
Operating Temp.(℃)	-55 to 125

Attenuation (Max@25℃)		
Frequency (GHz)	dB/M	Average Power(KW)
1	0.38	336.2
5	0.91	140.4
10	1.37	94.6
20	2.09	62.7

SR250 Cable

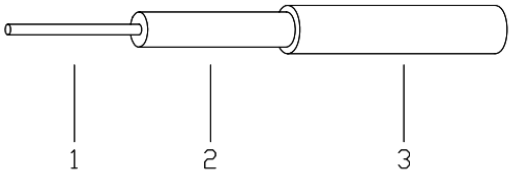


Construction Specification		
Structure	Diameter(mm)	Materials
1.Inner Conductor	1.63	Silver Plated Copper
2.Dielectric	5.31	PTFE
3.Outer Conductor	6.35	① Tin plated Copper Tube ② Albaloy-plated Copper tube

Electrical Characteristics & Mechanical Characteristics	
Impedance	50Ohm
Capacitance (pF/m)	95.1
Min. Bending Radius (mm)	22.23
Corona Extinction Voltage (KVRMS@60Hz)	3000
Voltage Withstanding (KVRMS@60Hz)	7500.0
Moding Frequency (GHz)	19
Outer Conductor Integrity Temp.(℃)	175
Operating Temp.(℃)	-55 to 125

Attenuation (Max@25℃)		
Frequency (GHz)	Attenuation (dB/100M)	Average Power(CW)
0.5	16.0	1061.2/951.6
1.0	23.0	718.4/653.1
5.0	58.0	290.0/259.9
10.0	89.0	189.5/169.8

SR250-AL Cable



Construction Specification		
Structure	Diameter(mm)	Materials
1.Inner Conductor	1.63	Silver Plated Copper
2.Dielectric	5.31	PTFE
3.Outer Conductor	6.35	Tin plated Aluminum Tube

Electrical Characteristics	
Capacitance (PF/m)	95.1
Impedance	50Ohm
Corona Extinction Voltage (VRMS@60Hz)	3000
Voltage Withstanding (VRMS@60Hz)	7500
Moding Frequency (GHz)	19

Mechanical Characteristics	
Min.Inside Bend Radius(mm)	22.23
Outer Conductor Integrity Temp.(℃)	N/A
Operating Temp.(℃)	-55 to +125

Attenuation & Average Power @ 20 ℃ and Sea Level		
Frequency (GHz)	Attenuation(dB/100m)	Power(Watts KW)
0.5	16	962.1
1.0	24.00	661.7
5.0	61.00	265.3
10.0	94.00	174.1