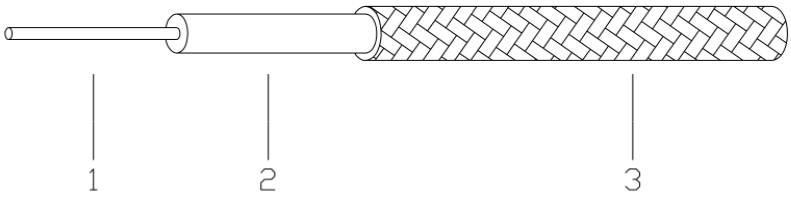
HF047 Cable

RoHS

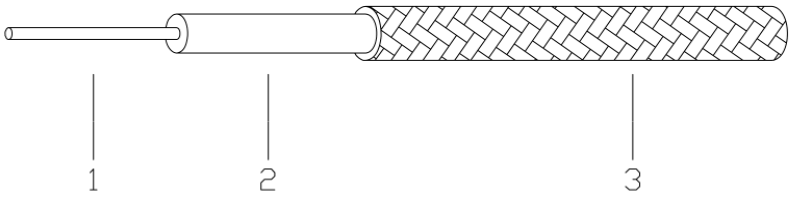


Construction Specification		
structure	Diameter(mm)	Materials
1.Inner Conductor	0.29	Silver Plated Copper Clad Steel
2.Dielectric	0.94	PTFE
3. Outer Conduct	1.19	Tin Soaked Copper Braid

Electrical Characteristics	
Impedance	50Ohm
Velocity(%)	69.5%
Capacitance (PF/m)	95
Min Bent Radius (mm)	4mm
Min Bending Radius Repeated(mm)	20
Time Delay	4.7nS/m
Max. Operating Voltage	1.5kVrms
Min. Screnning Effectiveness up to 18GHz(dB)	100
Moding Frequency	109GHz
Operating Temperature	-55 to 125℃

Attenuation (+20℃ Ambient) & Power Handing (+40℃ Ambient, Sea level)		
Frequency (GHz)	Attenuation (dB/100m)	Power (KW)
0.5	79.00	62.200
1.0	112.00	43.700
5.0	258.00	19.100
10.0	373.00	13.300
20.0	544.00	9.200

HF086 Cable

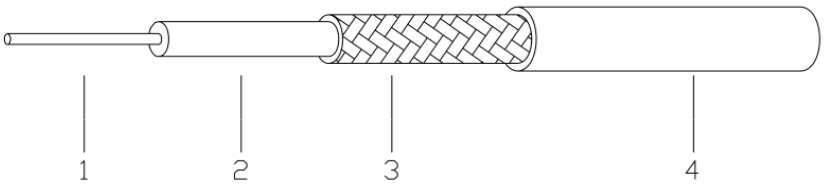


Construction Specification		
structure	Diameter(mm)	Materials
1.Inner Conductor	0.51	Silver Plated Copper Clad Steel
2.Dielectric	1.66	PTFE
3. Outer Conduct	2.10	Tin Soaked Copper Braid

Electrical Characteristics	
Impedance	50Ohm
Velocity(%)	69.5%
Capacitance (PF/m)	92
Min Bent Radius (mm)	6mm
Min Bending Radius Repeated(mm)	20
Time Delay	4.7nS/m
Max. Operating Voltage	1.5kVrms
Min. Screnning Effectiveness up to 18GHz(dB)	100
Operating Frequency	61GHz
Operating Temperature	-55 to 125℃

Attenuation (+20℃ Ambient) & Power Handing (+40℃ Ambient, Sea level, VSWR 1:1)		
Frequency (GHz)	Attenuation (dB/100m)	Power (KW)
0.5	45.00	173.500
1.0	64.00	121.500
5.0	151.00	52.200
10.0	222.00	35.800
20.0	329.00	24.300

HF086-FEP Cable

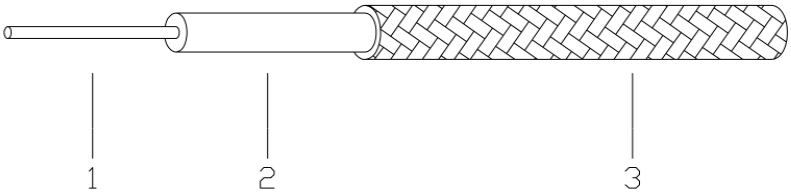


Construction Specification		
structure	Diameter(mm)	Materials
1.Inner Conductor	0.51	Silver Plated Copper Clad Steel
2.Dielectric	1.66	PTFE
3. Outer Conduct	2.10	Tin Soaked Copper Braid
4. Jacket	2.50	FEP

Electrical Characteristics	
Impedance	50Ohm
Velocity(%)	69.5%
Capacitance (PF/m)	95
Min Bent Radius (mm)	6mm
Min Bending Radius Repeated(mm)	20
Time Delay	4.7nS/m
Max. Operating Voltage	1.5kVrms
Min. Screnning Effectiveness up to 18GHz(dB)	100
Operating Frequency	61GHz
Operating Temperature	-55 to 125℃

Attenuation (+20℃ Ambient) & Power Handing (+40℃ Ambient, Sea level)		
Frequency (GHz)	Attenuation (dB/100m)	Power (KW)
0.5	45.00	173.500
1.0	64.00	121.500
5.0	151.00	52.200
10.0	222.00	35.800
20.0	329.00	24.300

HF141 Cable

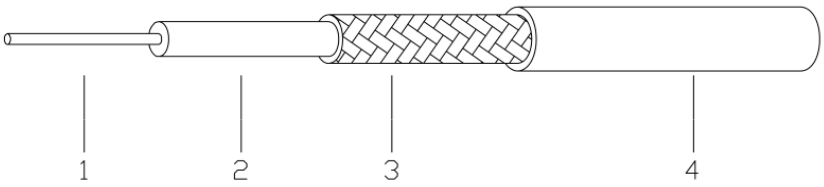


Construction Specification		
structure	Diameter(mm)	Materials
1.Inner Conductor	0.94	Silver Plated Copper Clad Steel
2.Dielectric	3.00	PTFE
3. Outer Conduct	3.52	Tin Soaked Copper Braid

Electrical Characteristics	
Impedance	50Ohm
Velocity(%)	70%
Capacitance (PF/m)	95.1
Min Bent Radius (mm)	8mm
Min Bending Radius Repeated(mm)	40
Time Delay	4.7nS/m
Max. Operating Voltage	1.9kVrms
Min. Screnning Effectiveness up to 18GHz(dB)	100
Operating Frequency	34GHz
Operating Temperature	-55 to 125℃

Attenuation (+25℃ Ambient) & Power Handing (+40℃ Ambient, Sea level, VSWR 1:1)		
Frequency (GHz)	Attenuation (dB/100m)	Power (KW)
0.5	26.00	436.500
1.0	39.00	303.400
5.0	92.00	126.700
10.0	138.00	85.500
20.0	210.00	56.600

HF141-FEP Cable

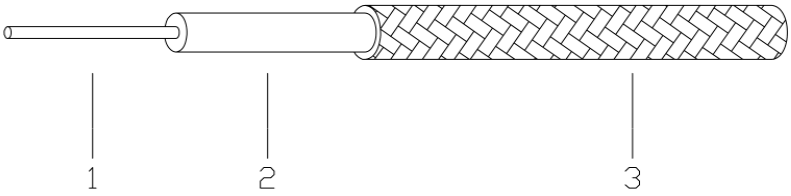


Construction Specification		
structure	Diameter(mm)	Materials
1.Inner Conductor	0.94	Silver Plated Copper Clad Steel
2.Dielectric	3.00	PTFE
3. Outer Conduct	3.52	Tin Soaked Copper Braid
4. Jacket	4.10	FEP

Electrical Characteristics	
Impedance	50Ohm
Velocity(%)	70%
Capacitance (PF/m)	95.1
Min Bent Radius (mm)	8mm
Min Bending Radius Repeated(mm)	40
Time Delay	4.7nS/m
Max. Operating Voltage	1.9kVrms
Min. Screnning Effectiveness up to 18GHz(dB)	100
Operating Frequency	34GHz
Operating Temperature	-55 to 125℃

Attenuation (+20℃ Ambient) & Power Handing (+40℃ Ambient, Sea level)		
Frequency (GHz)	Attenuation (dB/100m)	Power (KW)
0.5	26.00	436.500
1.0	39.00	303.400
5.0	92.00	126.700
10.0	138.00	85.500
20.0	210.00	56.600

HF250 Cable



Construction Specification		
structure	Diameter(mm)	Materials
1.Inner Conductor	1.63	Silver Plated Copper
2.Dielectric	5.27	PTFE
3. Outer Conduct	6.10	Tin Soaked Copper Braid

Electrical Characteristics	
Impedance	50Ohm
Velocity(%)	69.5%
Capacitance (PF/m)	95
Min Bent Radius (mm)	30
Min Bending Radius Repeated(mm)	120
Time Delay	4.7nS/m
Max. Operating Voltage	3kVrms
Min. Screnning Effectiveness up to 18GHz(dB)	100
Operating Frequency	18GHz
Operating Temperature	-55 to 125℃

Attenuation (+20℃ Ambient) & Power Handing (+40℃ Ambient, Sea level, VSWR 1:1)	
Frequency (GHz)	Attenuation (dB/100m)
0.5	17.0
1.0	25.0
5.0	63.0
10.0	98.0
18.0	145.0