

Semi-flexible Coaxial Cables

SF047

SF047-FEP

SF086(Flexible RG 405)

SF086-FEP

SF141(Flexible RG 402)

SF141-FEP

SF250(Flexible RG 401)

SF250-FEP

Semi-flexible Coaxial Cables

SF047

Construction

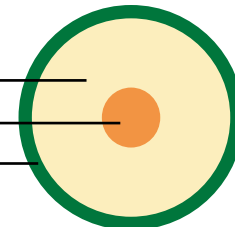
Inner conductor	Silver plated copper clad steel	Φ0.31 mm
Dielectric	Solid PTFE	Φ0.94 ± 0.10 mm
Outer conductor	Tinned copper	Φ1.19 ± 0.10 mm
Shield coverage		100%

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	95 pF/m
Velocity of propagation	-
Insulation resistance	- Mohm.Km
Inner conductor resistance	- Ohm/Km
Outer conductor resistance	- Ohm/Km
Max.operating voltage	1.5KV
Operating temperature range	-65°C - +165 °C
Min.bending radius	4 mm



Solid PTFE dielectric
 Silvered copper clad steel inner conductor
 Copper-tin composite tube



Attenuation

Frequency(GHz)	Max. Attenuation(dB/100m)	Max. Attenuation(dB/100ft)
0.5	81	24.7
1	116	35.4
5	269	82.0
10	392	119.5
20	577	175.9

Semi-flexible Coaxial Cables

SF047-FEP

Construction

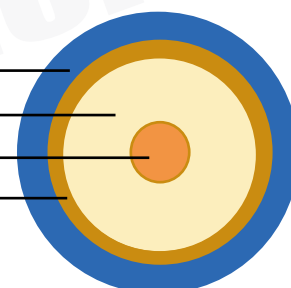
Inner conductor	Silver plated copper clad steel	Φ0.31 mm
Dielectric	Solid PTFE	Φ0.94 ± 0.10 mm
Outer conductor	Tinned copper	Φ1.19 ± 0.10mm
Shield coverage		100%
Sheath	FEP	Φ1.60 mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	95 pF/m
Velocity of propagation	-
Insulation resistance	- Mohm.Km
Inner conductor resistance	- Ohm/Km
Outer conductor resistance	- Ohm/Km
Max.operating voltage	1.5KV
Operating temperature range	-65°C - +165 °C
Min.bending radius	4 mm



FEP sheath
 Solid PTFE dielectric
 Silvered copper clad steel inner conductor
 Copper-tin composite tube



Attenuation

Frequency(GHz)	Max. Attenuation(dB/100m)	Max. Attenuation(dB/100ft)
0.5	81	24.7
1	116	35.4
5	269	82.0
10	392	119.5
20	577	175.9

Semi-flexible Coaxial Cables

SF086 (Flexible RG 405)

Construction

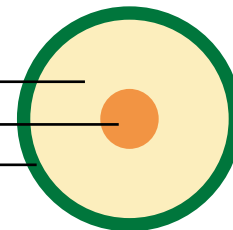
Inner conductor	Silver plated copper clad steel	Φ0.53 mm
Dielectric	Solid PTFE	Φ1.65 ± 0.10 mm
Outer conductor	Tinned copper	Φ2.10 ± 0.10 mm
Shield coverage		100%

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	95 pF/m
Velocity of propagation	-
Insulation resistance	- Mohm.Km
Inner conductor resistance	- Ohm/Km
Outer conductor resistance	- Ohm/Km
Max.operating voltage	1.5KV
Operating temperature range	-65°C - +165 °C
Min.bending radius	6 mm



Solid PTFE dielectric
Silvered copper clad steel inner conductor
Copper-tin composite tube



Attenuation

Frequency(GHz)	Max. Attenuation(dB/100m)	Max. Attenuation(dB/100ft)
0.5	46	14.0
1	67	20.4
5	160	48.8
10	239	72.8
20	361	110.0

Semi-flexible Coaxial Cables

SF086-FEP

Construction

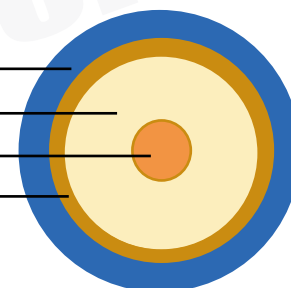
Inner conductor	Silver plated copper clad steel	Φ0.53 mm
Dielectric	Solid PTFE	Φ1.65 ± 0.10 mm
Outer conductor	Tinned copper	Φ2.10 ± 0.10 mm
Shield coverage		100%
Sheath	FEP	Φ2.50 mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	95 pF/m
Velocity of propagation	-
Insulation resistance	- Mohm.Km
Inner conductor resistance	- Ohm/Km
Outer conductor resistance	- Ohm/Km
Max.operating voltage	1.5KV
Operating temperature range	-65°C - +165 °C
Min.bending radius	6 mm



FEP sheath —————
 Solid PTFE dielectric —————
 Silvered copper clad steel inner conductor —————
 Copper-tin composite tube —————



Attenuation

Frequency(GHz)	Max. Attenuation(dB/100m)	Max. Attenuation(dB/100ft)
0.5	46	14.0
1	67	20.4
5	160	48.8
10	239	72.8
20	361	110.0

Semi-flexible Coaxial Cables

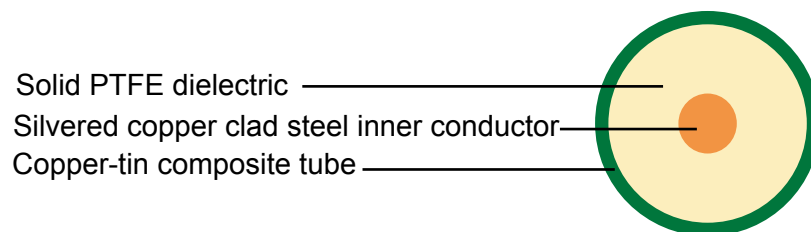
SF141 (Flexible RG 402)

Construction

Inner conductor	Silver plated copper clad steel	Φ0.94 mm
Dielectric	Solid PTFE	Φ2.95 ± 0.10 mm
Outer conductor	Tinned copper	Φ3.58 ± 0.10 mm
Shield coverage		100%

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	92 pF/m
Velocity of propagation	-
Insulation resistance	- Mohm.Km
Inner conductor resistance	- Ohm/Km
Outer conductor resistance	- Ohm/Km
Max.operating voltage	1.9KV
Operating temperature range	-65°C - +165 °C
Min.bending radius	8 mm



Attenuation

Frequency(GHz)	Max. Attenuation(dB/100m)	Max. Attenuation(dB/100ft)
0.5	27	8.3
1	39	11.9
5	99	30.2
10	152	46.3
20	239	72.8

Semi-flexible Coaxial Cables

SF141-FEP

Construction

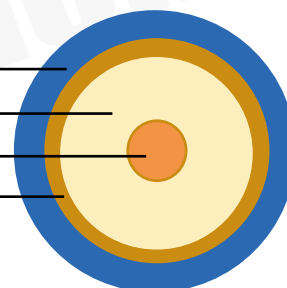
Inner conductor	Silver plated copper clad steel	Φ0.94 mm
Dielectric	Solid PTFE	Φ2.95 ± 0.10 mm
Outer conductor	Tinned copper	Φ3.58 ± 0.10 mm
Shield coverage		100%
Sheath	FEP	Φ4.10 mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	92 pF/m
Velocity of propagation	-
Insulation resistance	- Mohm.Km
Inner conductor resistance	- Ohm/Km
Outer conductor resistance	- Ohm/Km
Max.operating voltage	1.9KV
Operating temperature range	-65°C - +165 °C
Min.bending radius	8 mm



FEP sheath
 Solid PTFE dielectric
 Silvered copper clad steel inner conductor
 Copper-tin composite tube



Attenuation

Frequency(GHz)	Max. Attenuation(dB/100m)	Max. Attenuation(dB/100ft)
0.5	27	8.3
1	39	11.9
5	99	30.2
10	152	46.3
20	239	72.8

Semi-flexible Coaxial Cables

SF250 (Flexible RG 401)

Construction

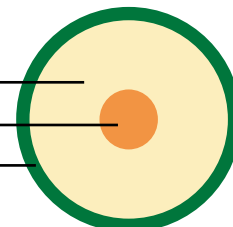
Inner conductor	Silver plated copper	Φ1.67 mm
Dielectric	Solid PTFE	Φ5.31 ± 0.10 mm
Outer conductor	Tinned copper	Φ6.30 ± 0.10 mm
Shield coverage		100%

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	95 pF/m
Velocity of propagation	-
Insulation resistance	- Mohm.Km
Inner conductor resistance	- Ohm/Km
Outer conductor resistance	- Ohm/Km
Max.operating voltage	3.5KV
Operating temperature range	-65°C - +165 °C
Min.bending radius	30 mm



Solid PTFE dielectric
 Silvered copper clad steel inner conductor
 Copper-tin composite tube



Attenuation

Frequency(GHz)	Max. Attenuation(dB/100m)	Max. Attenuation(dB/100ft)
0.5	16	4.9
1	24	7.3
5	62	18.9
10	97	29.6
20	145	44.2

Semi-flexible Coaxial Cables

SF250-FEP

Construction

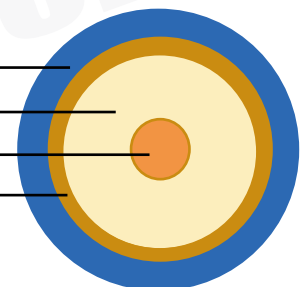
Inner conductor	Silver plated copper	Φ1.67 mm
Dielectric	Solid PTFE	Φ5.31 ± 0.10 mm
Outer conductor	Tinned copper	Φ6.30 ± 0.10 mm
Shield coverage		100%
Sheath	FEP	Φ6.80 mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	95 pF/m
Velocity of propagation	-
Insulation resistance	- Mohm.Km
Inner conductor resistance	- Ohm/Km
Outer conductor resistance	- Ohm/Km
Max.operating voltage	3.5KV
Operating temperature range	-65°C - +165 °C
Min.bending radius	30 mm



FEP sheath
 Solid PTFE dielectric
 Silvered copper clad steel inner conductor
 Copper-tin composite tube



Attenuation

Frequency(GHz)	Max. Attenuation(dB/100m)	Max. Attenuation(dB/100ft)
0.5	16	4.9
1	24	7.3
5	62	18.9
10	97	29.6
20	145	44.2