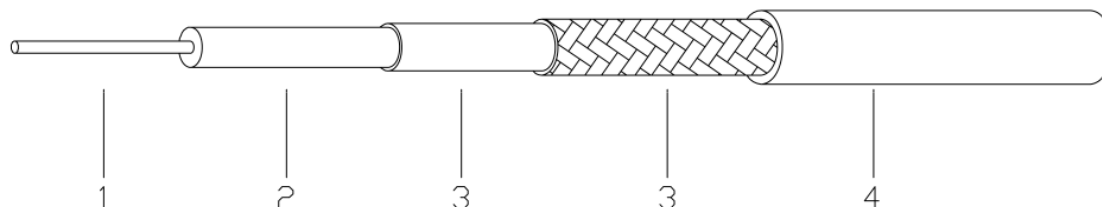


Low Loss 100 Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	0.46	Solid Copper or Copper clad Steel
2.Dielectric	1.52	Foam PE
3. Braid	2.11	Bonded Aluminum Foil + Tinned copper braid
4.Jacket	2.79	Black PE or PVC

Electrical Characteristics

Impedance	50Ohm
Velocity(%)	66%
Bent Radius (mm)	14
Inner Conductor DC Resistance(Ω /km)	266
Outer Conductor DC Resistance(Ω /km)	31.2
Shielding Effectiveness(dB)	>90
Temperature Scope	-25 to 70°C

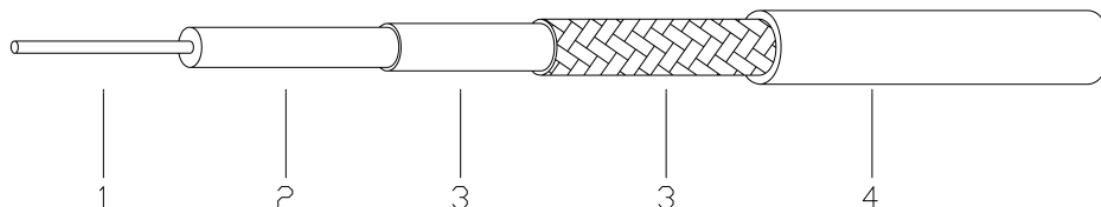
Mechanical Characteristics

Storage Temp. (°C)	-25 to +70
Installation Temp. (°C)	-25 to +70
Operating Temp. (°C)	-25 to +70

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (kw)
30	12.90	0.23
50	16.70	0.18
150	29.40	0.1
220	35.80	0.08
450	51.90	0.06
900	74.90	0.04
1500	98.70	0.03
1800	109.00	0.03
2000	115.50	0.03
2500	130.60	0.02
3000	143.80	0.02
5800	210.30	0.01

Low Loss 195 Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	0.94	Solid Copper
2.Dielectric	2.79	Foam PE
3. Braid	3.53	Bonded Aluminum Foil + Tinned copper braid
4.Jacket	4.95	Black PE or PVC

Electrical Characteristics

Impedance	50Ohm
Velocity(%)	80%
Bent Radius (mm)	25
Inner Conductor DC Resistance(Ω /km)	24.94
Outer Conductor DC Resistance(Ω /km)	16.08
Shielding Effectiveness(dB)	>90
Temperature Scope	-25 to 70°C

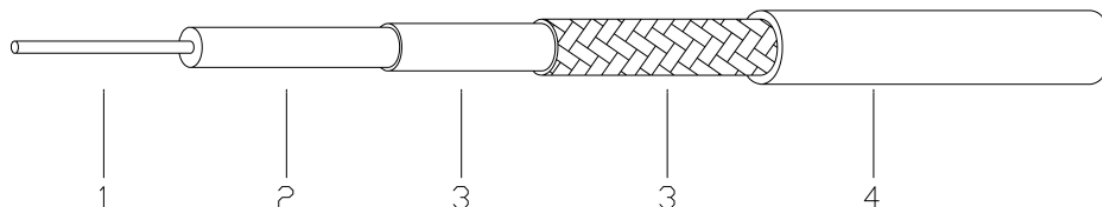
Mechanical Characteristics

Storage Temp. (°C)	-25 to +70
Installation Temp. (°C)	-25 to +70
Operating Temp. (°C)	-25 to +70

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (kw)
30	6.50	0.78
50	8.40	0.60
150	14.60	0.35
220	17.70	0.29
450	25.50	0.20
900	36.50	0.14
1500	47.70	0.11
1800	52.50	0.10
2000	55.40	0.09
2500	62.40	0.08
3000	67.50	0.08
5800	93.00	0.05

Low Loss 200 Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	1.12 ± 0.03	Solid Copper
2. Dielectric	2.95 ± 0.10	Physical Foam Polyethylene
3. Outer Conductor	3.60 ± 0.15	Bonded Aluminum Foil + Tinned copper braid
4.Jacket	5.00 ± 0.10	Black PVC or Polyethylene

Electrical Characteristics

Capacitance(PF/m)	80.4
Impedance	50Ohm
Velocity(%)	83%
Inner Conductor DC Resistance(Ω /km)	17.59
Outer Conductor DC Resistance(Ω /km)	16.08
Shielding Effectiveness(dB)	>90℃

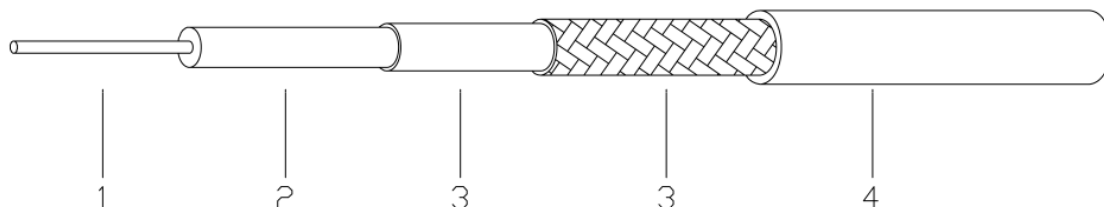
Mechanical Characteristics

Min.Bend Radius (mm)	25
Storage Temp. (℃)	-25 to +70
Installation Temp. (℃)	-25 to +70
Operating Temp. (℃)	-25 to +70

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (kw)
30	5.80	0.91
50	7.50	0.70
150	13.10	0.40
220	15.90	0.33
450	22.80	0.23
900	32.60	0.16
1500	42.40	0.12
1800	46.60	0.11
2000	49.30	0.11
2500	55.40	0.10
3000	60.20	0.09
5800	86.50	0.06

Low Loss 200 LSZH Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	1.12 ± 0.03	Solid Copper
2. Dielectric	2.95 ± 0.10	Foam PE
3. Outer Conductor	3.10 ± 0.15	Laminate Aluminum Tape
3. Outer Conductor	3.60 ± 0.15	Tinned copper braid (112)
4.Jacket	5.00 ± 0.10	Black LSZH

Electrical Characteristics

Impedance	50Ohm
Velocity(%)	83%
Min Bent Radius (mm)	50mm
Inner Conductor DC Resistance(Ω /km)	17.9
Outer Conductor DC Resistance(Ω /km)	19.9
Temperature Scope	-40 to 90℃

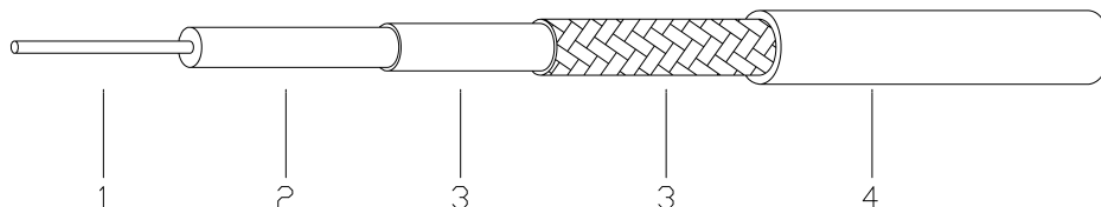
Mechanical Characteristics

Storage Temp. (℃)	-40 to +80
Installation Temp. (℃)	-40 to +80
Operating Temp. (℃)	-40 to +80

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (kw)
30	5.80	0.90
50	7.50	0.70
150	13.10	0.40
200	15.20	0.33
220	15.90	0.33
450	22.80	0.23
900	32.60	0.16
1500	42.40	0.12
1800	46.60	0.11
2000	49.30	0.11
2500	60.20	0.10
3000	60.90	0.09

Low Loss 240 Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	1.42	Solid Copper
2.Dielectric	3.81	Foam PE
3. Braid	4.52	Bonded Aluminum Foil + Tinned copper braid
4.Jacket	6.10	Black PE or PVC

Electrical Characteristics

Impedance	50Ohm
Velocity(%)	84%
Mini Bend Radius (mm)	19
Repeat Bend Radius (mm)	63
Inner Conductor DC Resistance(Ω /km)	10.50
Outer Conductor DC Resistance(Ω /km)	12.76
Shielding Effectiveness(dB)	>90
Temperature Scope	-25 to 70°C

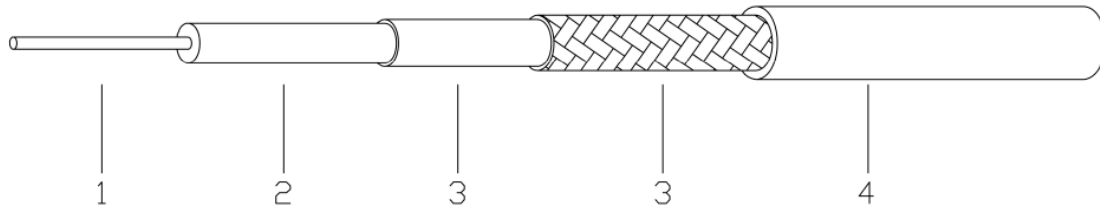
Mechanical Characteristics

Storage Temp. (°C)	-25 to +70
Installation Temp. (°C)	-25 to +70
Operating Temp. (°C)	-25 to +70

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (kw)
30	4.40	1.3
50	5.70	1
150	9.90	0.58
220	12.00	0.48
450	17.30	0.33
900	24.80	0.23
1500	32.40	0.18
1800	35.60	0.16
2000	37.70	0.15
2500	42.40	0.13
3000	46.50	0.12
5800	66.80	0.09

Low Loss 240 Ultra Flexible Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	7* 0.50	multicore Bare copper
2.Dielectric	3.81 ± 0.15	Foam PE
3. Braid	16*8*0.127	Bonded Aluminum Foil + Tinned copper braid
4.Jacket	6.15 ± 0.15	Black TPE

Electrical Characteristics

Impedance	50Ohm
Velocity(%)	83%
Mini Bend Radius (mm)	19
Repeat Bend Radius(mm)	63
Capacitance	80pF/ft
Jacket Spark(V.RMS)	5000
Return loss	>20.8dB
Temperature Scope	-40 to 200℃

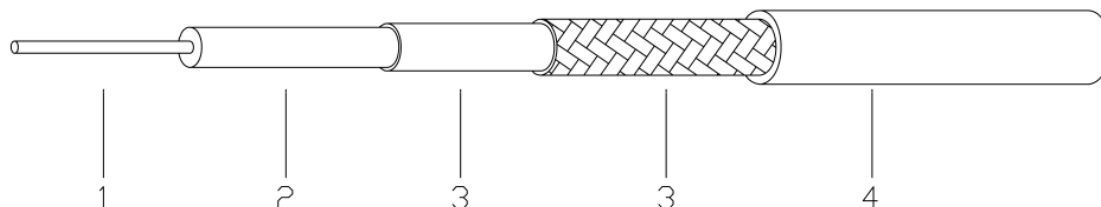
Mechanical Characteristics

Storage Temp. (℃)	-50 to +65
Installation Temp. (℃)	-10 to +70
Operating Temp. (℃)	-10 to +70

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency (MHz)	Typical Attenuation(dB/100m)	Max Attenuation (dB/100m)
30	5.30	5.83
50	6.80	7.48
150	11.90	13.09
220	14.50	15.95
450	20.80	22.88
900	29.80	32.78
1500	38.90	47.08
1800	42.80	49.38
2000	45.30	49.83
2500	50.90	55.99
3000	56.10	61.71

Low Loss 300 Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	1.78	Solid Copper
2.Dielectric	4.83	Foam PE
3. Braid	5.72	Bonded Aluminum Foil + Tinned copper braid
4.Jacket	7.62	Black PE or PVC

Electrical Characteristics

Impedance	50Ohm
Velocity(%)	85%
Bent Radius (mm)	30
Inner Conductor DC Resistance(Ω /km)	6.96
Outer Conductor DC Resistance(Ω /km)	7.25
Shielding Effectiveness(dB)	>90
Mini bend Radiun (mm)	38

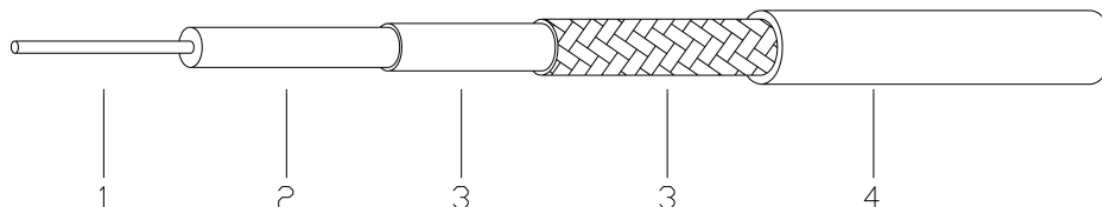
Mechanical Characteristics

Storage Temp. (°C)	-25 to +70
Installation Temp. (°C)	-25 to +70
Operating Temp. (°C)	-25 to +70

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (kw)
30	3.50	1.78
50	4.50	1.38
150	7.90	0.79
220	9.60	0.65
450	13.80	0.45
900	19.90	0.31
1500	26.00	0.24
1800	28.70	0.22
2000	30.30	0.21
2500	34.20	0.18
3000	37.50	0.17
5800	54.30	0.11

Low Loss 400 Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	2.74 ± 0.02	Solid Copper or Copper clad Aluminum
2.Dielectric	7.24 ± 0.13	Foam PE
3. Braid	8.13 ± 0.13	Bonded Aluminum Foil + Tinned copper braid
4.Jacket	10.29 ± 0.18	Black PE or PVC

Electrical Characteristics

Impedance	50Ohm
Velocity(%)	85%
Bent Radius (mm)	51
Inner Conductor DC Resistance(Ω /km)	2.92
Outer Conductor DC Resistance(Ω /km)	5.41
Shielding Effectiveness(dB)	>90
Temperature Scope	-40 to 200°C

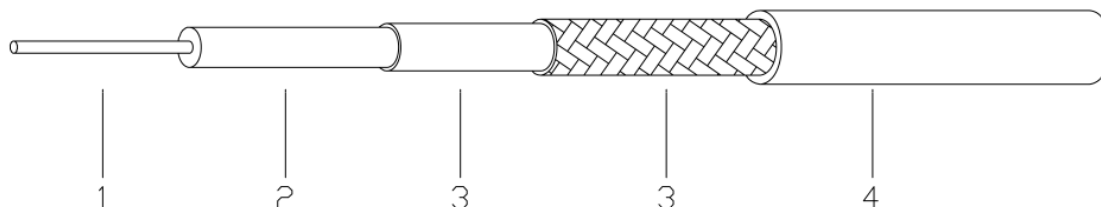
Mechanical Characteristics

Storage Temp. (°C)	-70 to +85
Installation Temp. (°C)	-40 to +80
Operating Temp. (°C)	-40 to +80

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (kw)
30	2.20	2.91
50	2.90	2.21
150	5.00	1.28
220	6.10	1.05
450	8.90	0.72
900	12.80	0.50
1500	16.80	0.38
1800	18.60	0.34
2000	19.60	0.33
2500	22.20	0.29
5800	35.50	0.18

Low Loss 400 LSZH Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	2.74 ± 0.02	Solid Copper or Copper clad Aluminum
2.Dielectric	7.24 ± 0.13	Foam PE
3. Braid	8.13 ± 0.13	Bonded Aluminum Foil + Tinned copper braid
4.Jacket	10.29 ± 0.18	Black LSZH

Electrical Characteristics

Impedance	50Ohm
Velocity(%)	85%
Bent Radius (mm)	25.4mm
Inner Conductor DC Resistance(Ω /km)	2.92
Outer Conductor DC Resistance(Ω /km)	5.41
Shielding Effectiveness(dB)	>90
Temperature Scope	-40 to 200°C

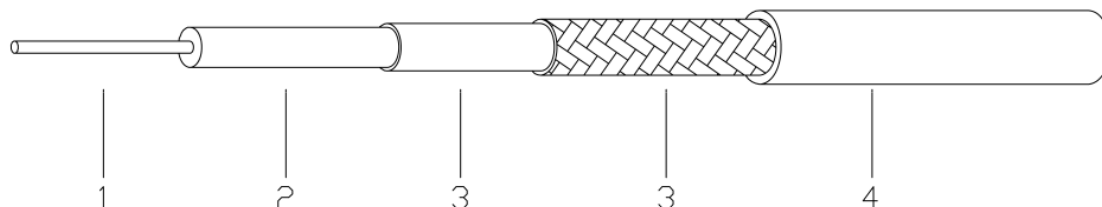
Mechanical Characteristics

Storage Temp. (°C)	-70 to +85
Installation Temp. (°C)	-40 to +80
Operating Temp. (°C)	-40 to +80

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (kw)
30	3.00	2.91
50	3.90	2.21
150	6.70	1.28
220	8.10	1.05
450	11.80	0.72
900	16.90	0.50
1500	20.20	0.38
1800	22.30	0.34
2000	23.60	0.33
2500	26.60	0.29
5800	42.60	0.18

Low Loss 400 Ultra Flexible Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	2.74 ± 0.02	multicore Solid Copper or Copper clad Aluminum
2.Dielectric	7.24 ± 0.13	Foam PE
3. Braid	8.13 ± 0.13	Bonded Aluminum Foil + Tinned copper braid
4.Jacket	10.29 ± 0.18	Black TPU/TPE

Electrical Characteristics

Impedance	50Ohm
Velocity(%)	85%
Bent Radius (mm)	25.4mm
Inner Conductor DC Resistance(Ω /km)	2.92
Outer Conductor DC Resistance(Ω /km)	5.41
Shielding Effectiveness(dB)	>90
Temperature Scope	-40 to 200°C

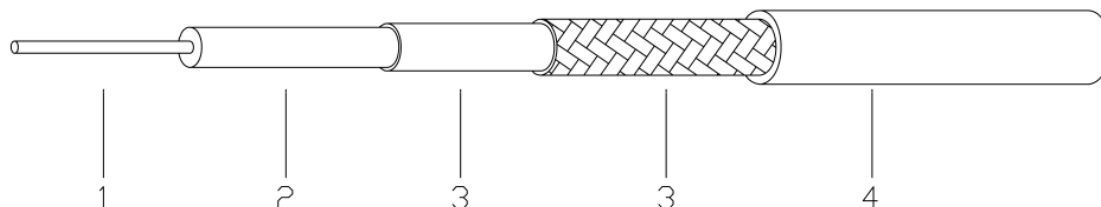
Mechanical Characteristics

Storage Temp. (°C)	-70 to +85
Installation Temp. (°C)	-40 to +80
Operating Temp. (°C)	-40 to +80

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (kw)
30	3.00	2.91
50	3.90	2.21
150	6.70	1.28
220	8.10	1.05
450	11.80	0.72
900	16.90	0.50
1500	20.20	0.38
1800	22.30	0.34
2000	23.60	0.33
2500	26.60	0.29
5800	42.60	0.18

Low Loss 500 Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	3.61 ± 0.03	Copper clad Aluminum
2.Dielectric	9.40 ± 0.15	Foam PE
3. Outer Conductor	Bonded Dual Aluminum Foil + Tinned copper braid	86% coverage (24x8x0.16)
4.Jacket	12.70 ± 0.2	Black PE

Electrical Characteristics

Impedance	50Ohm
Velocity(%)	86%
Bent Radius (mm)	31
Tensile Strength	118kg
Weight	140kg/km
Capacitance	24PF/FT
Return Loss(30 to 3000MHz)	≥20.8dB

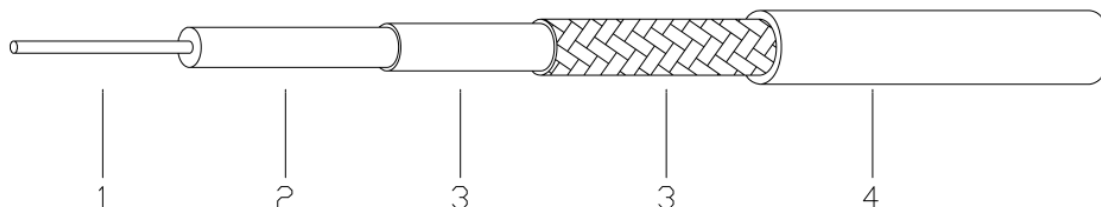
Mechanical Characteristics

Storage Temp. (°C)	-70 to +85
Installation Temp. (°C)	-40 to +80
Operating Temp. (°C)	-40 to +80

Attenuation @ 20°C and Seal Leavel

Frequency (MHz)	Attenuation (dB/100ft)
30	0.66
50	0.77
150	1.30
220	1.70
450	2.40
900	3.40
1500	4.50
1800	5.10
2000	5.30
2500	6.10
3000	6.70

Low Loss 600 Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	4.47± 0.05	Solid Copper or Copper clad Aluminum
2.Dielectric	11.56 ± 0.1	Foam PE
3. Braid	12.5 ± 0.05	Bonded Aluminum Foil + Tinned copper braid
4.Jacket	14.99 ± 0.5	Black PE or PVC

Electrical Characteristics

Impedance	50Ohm
Velocity(%)	85%
Inner Conductor DC Resistance(Ω /km)	1.85
Outer Conductor DC Resistance(Ω /km)	3.94
Shielding Effectiveness(dB)	>90
Temperature Scope	-40 to 200℃

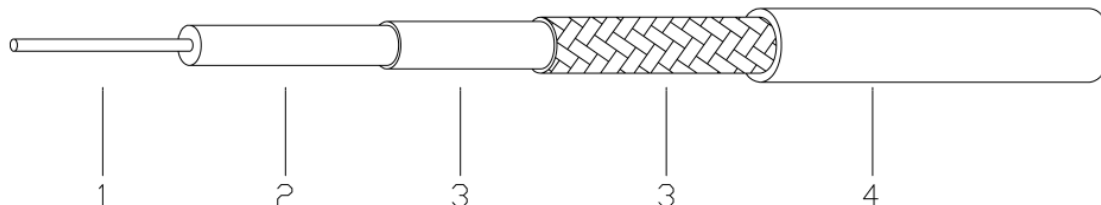
Mechanical Characteristics

Storage Temp. (℃)	-25 to +75
Installation Temp. (℃)	-25 to +70
Operating Temp. (℃)	-25 to +70

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (kw)
30	1.77	4.93
50	2.16	3.83
150	3.60	2.16
220	4.26	1.77
450	6.23	1.23
900	9.18	0.84
1500	11.80	0.63
1800	13.44	0.57
2000	14.09	0.54
2500	16.39	0.48
3000	18.03	0.29

Low Loss 600 Ultra Flexible Cable



Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	4.47± 0.05	Solid Copper or Copper clad Aluminum
2.Dielectric	11.56 ± 0.1	Foam PE
3. Braid	12.5 ± 0.05	Bonded Aluminum Foil + Tinned copper braid
4.Jacket	14.99 ± 0.5	Black TPU

Electrical Characteristics

Impedance	50Ohm
Velocity(%)	87%
Inner Conductor DC Resistance(Ω /km)	1.85
Outer Conductor DC Resistance(Ω /km)	3.94
Shielding Effectiveness(dB)	>90
Temperature Scope	-40 to 200℃

Mechanical Characteristics

Storage Temp. (℃)	-25 to +75
Installation Temp. (℃)	-25 to +70
Operating Temp. (℃)	-25 to +70

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (kw)
30	1.77	4.93
50	2.16	3.83
150	3.60	2.16
220	4.26	1.77
450	6.23	1.23
900	9.18	0.84
1500	11.80	0.63
1800	13.44	0.57
2000	14.09	0.54
2500	16.39	0.48
3000	18.03	0.29