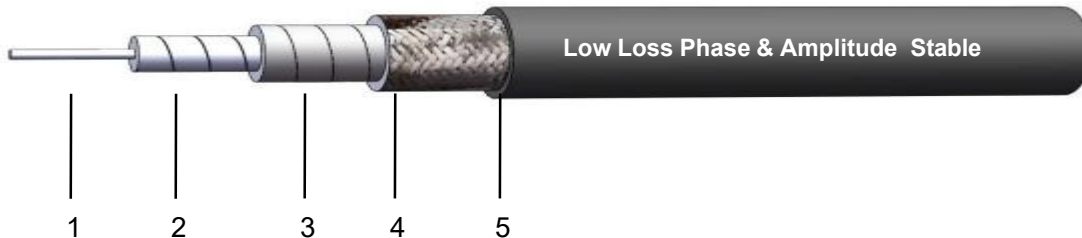


■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A150



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	0.30	Solid SPC
2	Dielectric	0.88	LD-PTFE
3	Outer Conductor	1.00	SPC Strip
4	Outer Shield	1.23	SPC Braid
5	Jacket	1.50	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 8mm
 Dynamic Bend Radius : 15mm
 Weight: 0.0054 kg/m
 Operating Temperature Range : -55°C~+125°C

Electrical Specifications

Frequency Range : 110 GHz
 Cutoff Frequency : 128 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 80%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 400 VDC

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

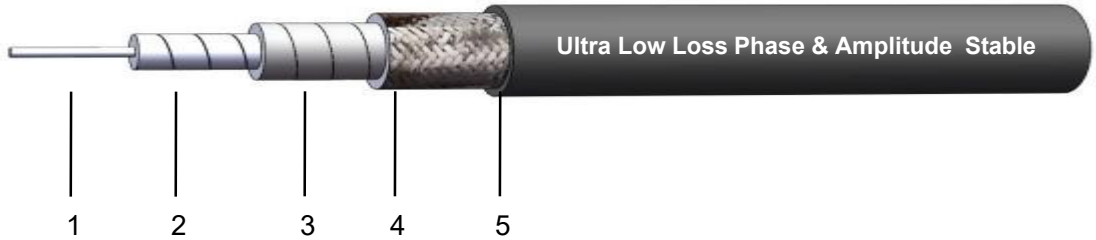
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/100m)	113.7	161.6	198.5	282.9	328.0	368.0	411.3	499.3	611.5	760.4
Avg.Power (kW)	0.097	0.068	0.056	0.039	0.034	0.030	0.027	0.022	0.018	0.015
				K1=	3.557846					
				K2=	0.001221					
			Calculation =	K1 x√ F(MHz)+K2 x F(MHz)						

Features

- Phase Change vs Temperature (<1000ppm @-55°C+85°C)
- Low Loss
- High Power
- Low Passive Intermodulation (-155dbc)
- Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A220



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	0.50	Solid SPC
2	Dielectric	1.38	LD-PTFE
3	Outer Conductor	1.54	SPC Strip
4	Outer Shield	1.95	SPC Braid
5	Jacket	2.20	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 8.8mm
 Dynamic Bend Radius : 22mm
 Weight: 0.016 kg/m
 Operating Temperature Range : -55°C~+125°C

Electrical Specifications

Frequency Range : 40 GHz
 Cutoff Frequency : 83 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 80%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 400 VDC

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

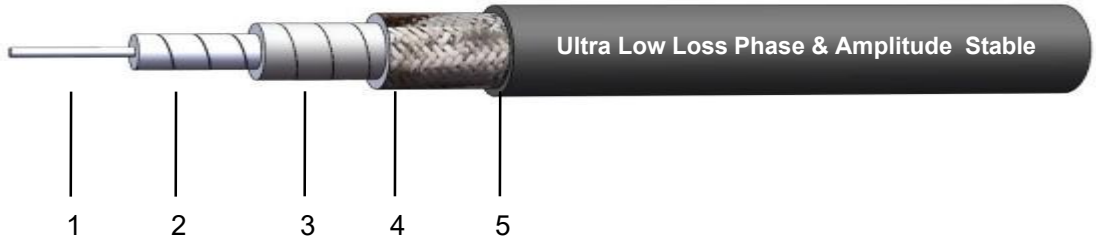
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/100m)	63.7	90.8	111.9	160.4	186.5	209.8	235.2	287.1	354.0	444.0
Avg.Power (kW)	0.097	0.068	0.055	0.039	0.033	0.029	0.026	0.022	0.017	0.014
				K1=	1.975832					
				K2=	0.001221					
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)						

Features

Phase Change vs Temperature (<750ppm @-55°C-+85°C)
 Low Loss
 High Power
 Low Passive Intermodulation (<-155dbc)
 Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A300



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	0.70	Solid SPC
2	Dielectric	1.93	LD-PTFE
3	Outer Conductor	2.09	SPC Strip
4	Outer Shield	2.66	SPC Braid
5	Jacket	3.10	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 15mm
 Dynamic Bend Radius : 31mm
 Weight: 0.027 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 50 GHz
 Cutoff Frequency : 60 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 82%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 500 VDC

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

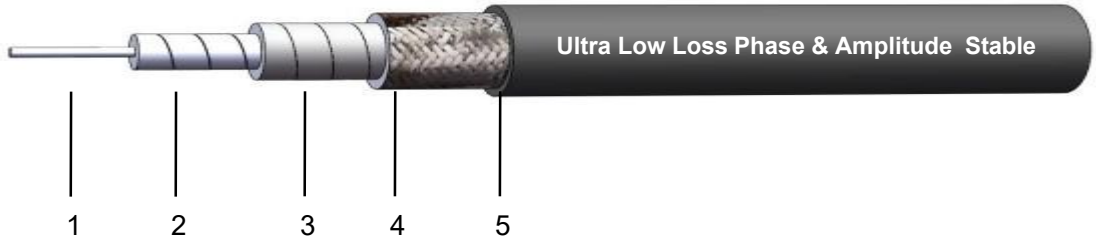
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000	50000
Attenuation (dB/100m)	46.8	66.6	81.9	117.1	135.9	152.6	170.8	207.9	255.4	318.9	360.1
Avg.Power (kW)	0.407	0.286	0.232	0.163	0.140	0.125	0.111	0.092	0.075	0.060	0.053
				K1=	1.458470						
				K2=	0.000680						
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)							

Features

Phase Change vs Temperature (<750ppm @-55°C-+85°C)
 Low Loss
 High Power
 Low Passive Intermodulation (-155 dBc)
 Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A360



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	0.91	Solid SPC
2	Dielectric	2.50	LD-PTFE
3	Outer Conductor	2.66	SPC Strip
4	Outer Shield	3.11	SPC Braid
5	Jacket	3.60	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 18mm
 Dynamic Bend Radius : 36mm
 Weight: 0.033 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 40 GHz
 Cutoff Frequency : 46 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 82%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 500 VDC

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

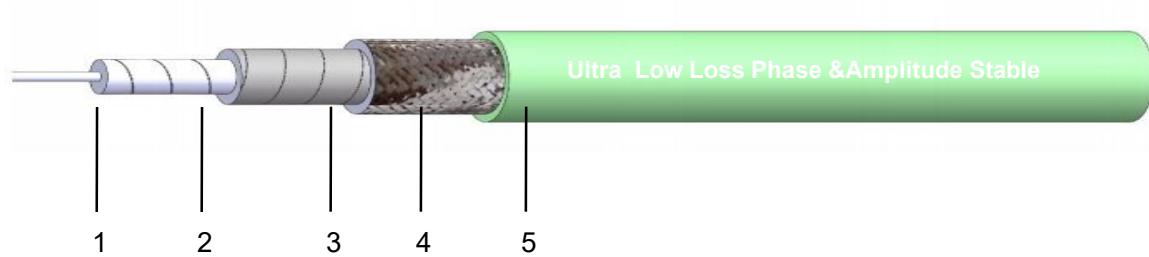
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/100m)	37.5	53.4	65.6	93.8	108.9	122.3	136.9	166.7	204.8	255.7
Avg.Power (kW)	0.509	0.358	0.291	0.203	0.175	0.156	0.139	0.115	0.093	0.075
				K1=	1.168470					
				K2=	0.000550					
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)						

Features

Phase Change vs Temperature (<750ppm @-55°C-+85°C)
 Low Loss
 High Power
 Low Passive Intermodulation (-155 dBc)
 Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A400



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.05	Solid SPC
2	Dielectric	2.85	LD-PTFE
3	Outer Conductor	3.05	SPC Strip
4	Outer Shield	3.40	SPC Braid
5	Jacket	4.00	Green PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 20mm
 Dynamic Bend Radius : 40mm
 Weight: 0.036 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 40 GHz
 Cutoff Frequency : 41 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 82%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 1500 VDC

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

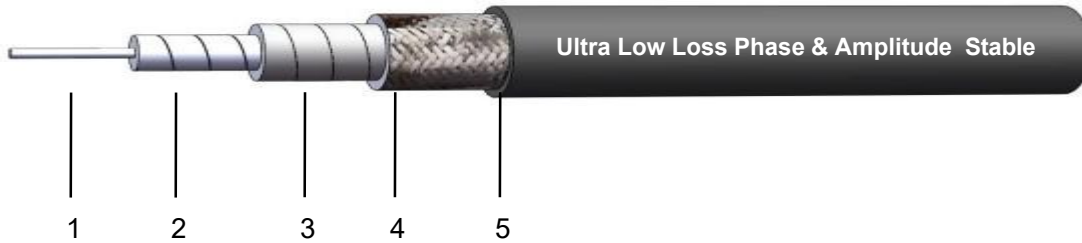
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/100m)	33.5	47.5	58.3	82.8	95.8	107.2	119.7	144.7	176.4	218.1
Avg.Power (kW)	0.634	0.447	0.365	0.257	0.222	0.198	0.178	0.147	0.120	0.097
				K1=	1.054470					
				K2=	0.000180					
			Formula:	K1 x√ F(MHz)+K2 x F(MHz)						

Features

Phase Change vs Temperature (<750ppm @-55°C~+85°C)
 Low Loss
 High Power
 Low Passive Intermodulation (-155 dBc)
 Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A480



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.40	Solid SPC
2	Dielectric	3.80	LD-PTFE
3	Outer Conductor	3.95	SPC Strip
4	Outer Shield	4.35	SPC Braid
5	Jacket	4.80	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 24mm
 Dynamic Bend Radius : 48mm
 Weight: 0.055 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 26.5 GHz
 Cutoff Frequency : 31 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 83%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 1500 VDC

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

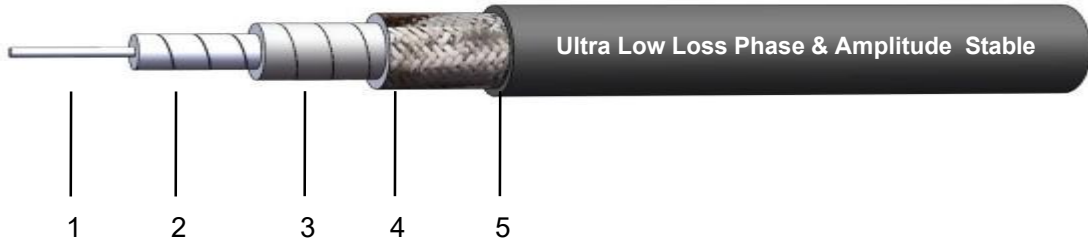
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500
Attenuation (dB/100m)	24.1	34.2	42.1	60.1	69.7	78.3	87.6	106.6	130.8
Avg.Power (kW)	0.919	0.646	0.525	0.368	0.317	0.282	0.252	0.207	0.169
				K1=	0.750400				
				K2=	0.000328				
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)					

Features

Phase Change vs Temperature (<750ppm @-55°C-+85°C)
 Low Loss
 High Power
 Low Passive Intermodulation (-155 dBc)
 Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A480-B



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.30	Solid SPC
2	Dielectric	3.58	LD-PTFE
3	Outer Conductor	3.73	SPC Strip
4	Outer Shield	4.27	SPC Braid
5	Jacket	4.83	Yellow FEP or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 24mm
 Dynamic Bend Radius : 48mm
 Weight: 0.050 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 26.5 GHz
 Cutoff Frequency : 33 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 83%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 1500 VDC

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

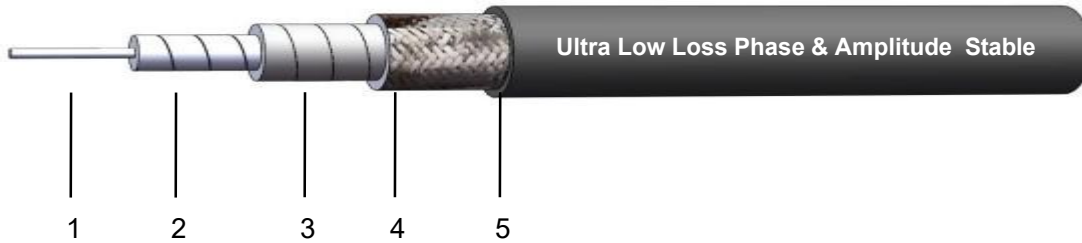
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500
Attenuation (dB/100m)	25.2	36.0	44.4	63.8	74.3	83.7	94.0	115.1	142.4
Avg.Power (kW)	0.749	0.525	0.425	0.296	0.254	0.225	0.201	0.164	0.133
				K1=	0.778394				
				K2=	0.000591				
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)					

Features

Phase Change vs Temperature (<750ppm @-55°C-+85°C)
 Low Loss
 High Power
 Low Passive Intermodulation (-155 dBc)
 Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A500



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.45	Solid SPC
2	Dielectric	3.99	LD-PTFE
3	Outer Conductor	4.19	SPC Strip
4	Outer Shield	4.60	SPC Braid
5	Jacket	5.20	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 26mm
 Dynamic Bend Radius : 52mm
 Weight: 0.060 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 26.5 GHz
 Cutoff Frequency : 29 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 83%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 1500 VDC

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

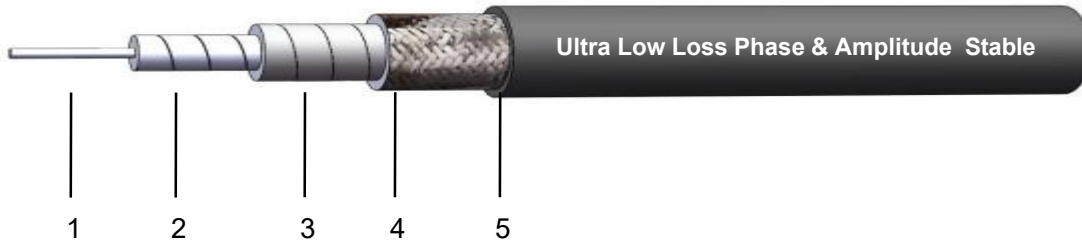
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500
Attenuation (dB/100m)	23.4	33.3	41.0	58.5	67.9	76.3	85.4	103.8	127.5
Avg.Power (kW)	0.919	0.646	0.525	0.368	0.317	0.282	0.252	0.207	0.169
				K1=	0.730000				
				K2=	0.000328				
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)					

Features

- Phase Change vs Temperature (<750ppm @-55°C-+85°C)
- Low Loss
- High Power
- Low Passive Intermodulation (-155 dBc)
- Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A550



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.60	Solid SPC
2	Dielectric	4.30	LD-PTFE
3	Outer Conductor	4.50	SPC Strip
4	Outer Shield	5.10	SPC Braid
5	Jacket	5.60	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 28mm
 Dynamic Bend Radius : 56mm
 Weight: 0.075 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 18 GHz
 Cutoff Frequency : 26.5 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 83%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 2000 VDC

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

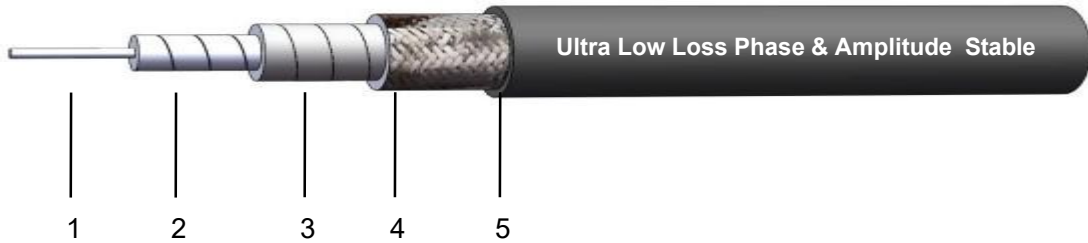
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	16000	18000
Attenuation (dB/100m)	22.3	31.6	38.8	55.0	63.6	71.2	79.5	90.5	96.1
Avg.Power (kW)	1.024	0.723	0.589	0.415	0.359	0.320	0.287	0.252	0.238
				K1=	0.701472				
				K2=	0.000110				
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)					

Features

Phase Change vs Temperature (<750ppm @-55°C-+85°C)
 Low Loss
 High Power
 Low Passive Intermodulation (-155 dBc)
 Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A600



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.70	Solid SPC
2	Dielectric	4.60	LD-PTFE
3	Outer Conductor	4.80	SPC Strip
4	Outer Shield	5.30	SPC Braid
5	Jacket	6.00	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 30mm
 Dynamic Bend Radius : 60mm
 Weight: 0.079 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 : 83%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 2000 VDC

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

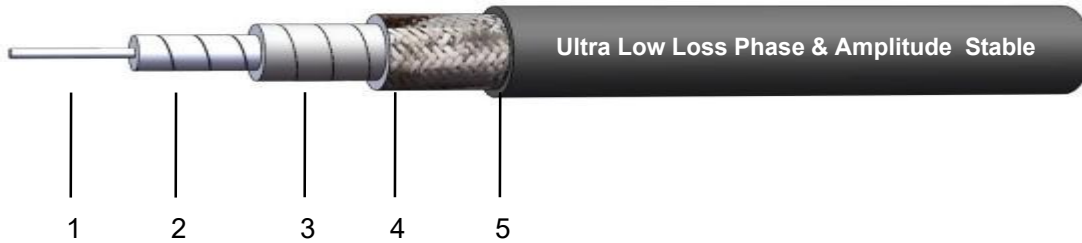
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	16000	18000
Attenuation (dB/100m)	20.0	28.5	35.2	50.6	58.9	66.4	74.5	85.5	91.2
Avg.Power (kW)	1.159	0.812	0.658	0.457	0.393	0.349	0.311	0.270	0.254
				K1=	0.616197				
				K2=	0.000475				
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)					

Features

- Phase Change vs Temperature (<750ppm @-55°C-+85°C)
- Low Loss
- High Power
- Low Passive Intermodulation (-155 dBc)
- Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A750



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	2.10	Solid SPC
2	Dielectric	5.70	LD-PTFE
3	Outer Conductor	5.95	SPC Strip
4	Outer Shield	6.60	SPC Braid
5	Jacket	7.40	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 37mm
 Dynamic Bend Radius : 74mm
 Weight: 0.116 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 18 GHz
 Cutoff Frequency : 20 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 83%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 2500 VDC

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

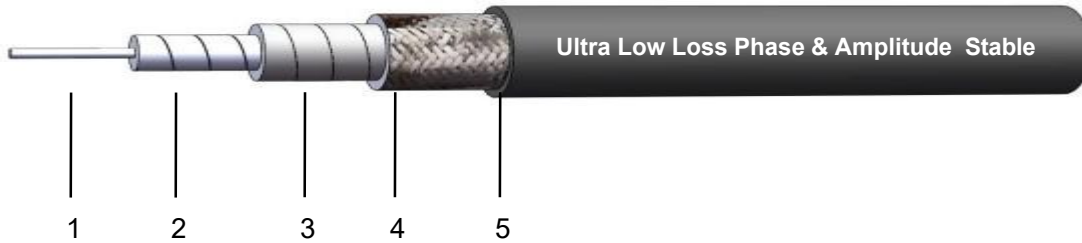
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	16000	18000
Attenuation (dB/100m)	16.7	23.7	29.1	41.4	47.9	53.7	59.9	68.2	72.5
Avg.Power (kW)	1.740	1.227	1.000	0.704	0.608	0.543	0.487	0.427	0.402
				K1=	0.526279				
				K2=	0.000104				
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)					

Features

- Phase Change vs Temperature (<750ppm @-55°C+85°C)
- Low Loss
- High Power
- Low Passive Intermodulation (-155 dBc)
- Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A760S



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	2.39	Stranded SPC
2	Dielectric	6.25	LD-PTFE
3	Outer Conductor	6.49	SPC Strip
4	Outer Shield	7.06	SPC Braid
5	Jacket	7.65	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 38mm
 Dynamic Bend Radius : 76mm
 Weight: 0.120 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 18 GHz
 Cutoff Frequency : 18 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 83%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 2500 VDC

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

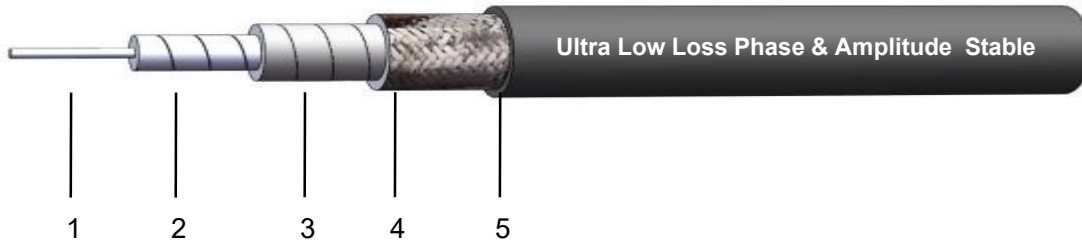
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	16000	18000
Attenuation (dB/100m)	16.7	23.8	29.3	42.1	48.9	55.0	61.7	70.7	75.3
Avg.Power (kW)	1.604	1.125	0.913	0.637	0.548	0.487	0.435	0.379	0.356
				K1=	0.518300				
				K2=	0.000320				
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)					

Features

Phase Change vs Temperature (<750ppm @-55°C-+85°C)
 Low Loss
 High Power
 Low Passive Intermodulation (-155 dBc)
 Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A800



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	2.30	Solid SPC
2	Dielectric	6.20	LD-PTFE
3	Outer Conductor	6.44	SPC Strip
4	Outer Shield	7.05/7.20	SPC Braid
5	Jacket	7.90	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 39mm
 Dynamic Bend Radius : 79mm
 Weight: 0.130 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 18 GHz
 Cutoff Frequency : 18 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 83%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 2500 VDC

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

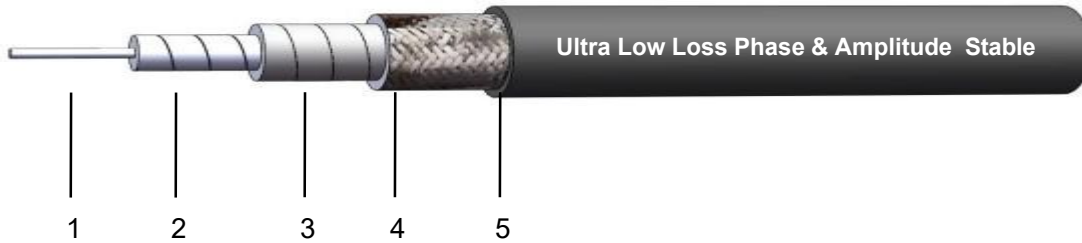
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	16000	18000
Attenuation (dB/100m)	14.7	21.0	26.0	37.3	43.4	48.8	54.8	62.8	67.0
Avg.Power (kW)	1.812	1.270	1.030	0.717	0.616	0.547	0.488	0.425	0.399
				K1=	0.456300				
				K2=	0.000320				
			Formula:	K1 x√ F(MHz)+K2 x F(MHz)					

Features

- Phase Change vs Temperature (<750ppm @-55°C+85°C)
- Low Loss
- High Power
- Low Passive Intermodulation (-155 dBc)
- Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A810



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	2.40	Solid SPC
2	Dielectric	6.36	LD-PTFE
3	Outer Conductor	6.60	SPC Strip
4	Outer Shield	7.10	SPC Braid
5	Jacket	8.10	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 40mm
 Dynamic Bend Radius : 81mm
 Weight: 0.140 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 18 GHz
 Cutoff Frequency : 18 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 83%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 2500 VDC

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

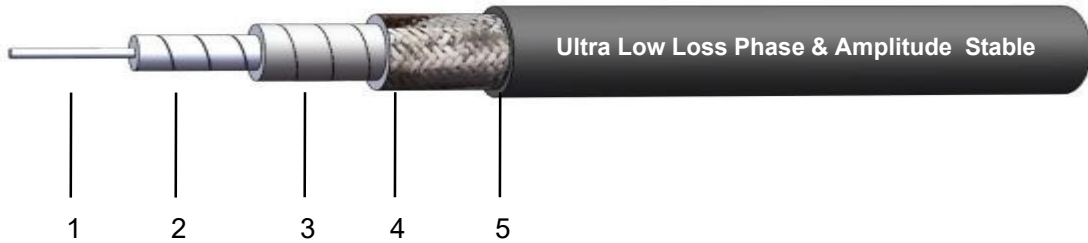
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	16000	18000
Attenuation (dB/100m)	13.7	19.5	24.1	34.8	40.6	45.8	51.5	59.3	63.3
Avg.Power (kW)	1.894	1.324	1.071	0.743	0.636	0.564	0.502	0.436	0.409
				K1=	0.419490				
				K2=	0.000389				
			Formula:	K1 x√ F(MHz)+K2 x F(MHz)					

Features

Phase Change vs Temperature (<750ppm @-55°C+85°C)
 Low Loss
 High Power
 Low Passive Intermodulation (-155 dBc)
 Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A830



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	2.44	Solid SPC
2	Dielectric	6.50	LD-PTFE
3	Outer Conductor	6.90	SPC Strip
4	Outer Shield	7.65	SPC Braid
5	Jacket	8.30	Grey FEP or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 41mm
 Dynamic Bend Radius : 83mm
 Weight: 0.162 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 18 GHz
 Cutoff Frequency : 18 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 83%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 2500 VDC

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

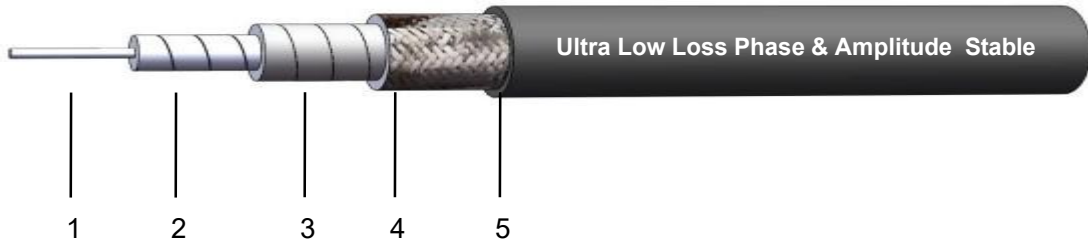
Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	16000	18000
Attenuation (dB/100m)	13.3	18.9	23.4	33.6	39.1	44.1	49.5	56.9	60.6
Avg.Power (kW)	1.894	1.326	1.075	0.747	0.641	0.569	0.507	0.442	0.414
				K1=	0.408997				
				K2=	0.000320				
				Formula:	K1 x √ F(MHz)+K2 x F(MHz)				

Features

Phase Change vs Temperature (<750ppm @-55°C+85°C)
 Low Loss
 High Power
 Low Passive Intermodulation (-155 dBc)
 Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A1000



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	3.00	Solid SPC
2	Dielectric	8.24	LD-PTFE
3	Outer Conductor	-	SPC Strip
4	Outer Shield	9.20	SPC Braid
5	Jacket	10.00	Grey FEP or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 41mm
 Dynamic Bend Radius : 83mm
 Weight: 0.206 kg/m
 Operating Temperature Range : -55°C~+105°C

Electrical Specifications

Frequency Range : 10 GHz
 Cutoff Frequency : 13.5 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 83%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 3000 VDC

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

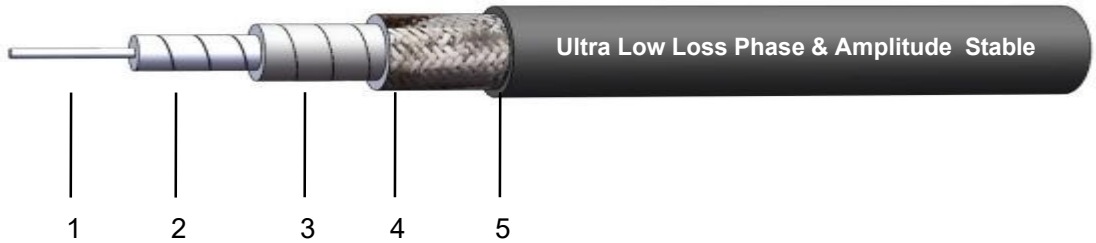
Frequency (MHz)	1000	2000	3000	4000	5000	6000	8000	10000
Attenuation (dB/100m)	10.4	15.0	18.7	21.8	24.6	27.2	31.9	36.1
Avg.Power (kW)	2.289	1.590	1.281	1.097	0.972	0.880	0.750	0.662
				K1=	0.316177			
				K2=	0.000448			
		Formula:	K1 x √ F(MHz)+K2 x F(MHz)					

Features

- Phase Change vs Temperature (<750ppm @-55°C-+85°C)
- Low Loss
- High Power
- Low Passive Intermodulation (-155 dBc)
- Light Weight

■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A1200



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	3.80	Solid SPC
2	Dielectric	10.30	LD-PTFE
3	Outer Conductor	-	SPC Strip
4	Outer Shield	11.35	SPC Braid
5	Jacket	12.00	Grey FEP or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 60mm
 Dynamic Bend Radius : 120mm
 Weight: 0.282 kg/m
 Operating Temperature Range : -55°C~+105°C

Electrical Specifications

Frequency Range : 8 GHz
 Cutoff Frequency : 11 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 83%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 3000 VDC

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

Frequency (MHz)	1000	2000	3000	4000	5000	6000	7000	8000
Attenuation (dB/100m)	10.0	14.4	18.0	21.0	23.8	26.3	28.7	31.0
Avg.Power (kW)	2.320	1.605	1.289	1.101	0.973	0.879	0.806	0.747
				K1=	0.298565			
				K2=	0.000535			
			Formula:	K1 x √ F(MHz)+K2 x F(MHz)				

Features

Phase Change vs Temperature (<750ppm @-55°C~+85°C)
 Low Loss
 High Power
 Low Passive Intermodulation (-155 dBc)
 Light Weight