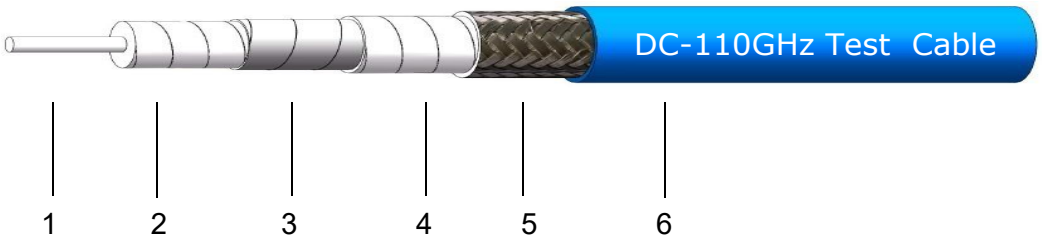
C150



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	0.31	Solid SPC
2	Dielectric	0.88	LD-PTFE
3	Inner Shield	1.00	SPC Strip
4	Inter-Layer	1.20	LD-PTFE
5	Outer Shield	1.45	SPC Braid
6	Jacket	1.85	Grey PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius：10mm
Dynamic Bend Radius：20mm
Weight：0.008 kg/m
Operating Temperature Range：-55ºC~+125ºC

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 @ +25ºC & VSWR = 1)
Power (Typical Value @ +40ºC, Sea Level)

Frequency (MHz)	1000	2000	3000	6000	8000	18000	26500	40000	67000	75000	110000
Attenuation (dB/100m)	113.7	161.6	198.5	282.9	328.0	499.3	611.5	760.4	1002.7	1065.9	1314.3
Avg.Power (kW)	0.039	0.027	0.022	0.016	0.014	0.009	0.007	0.006	0.004	0.004	0.003
			K1=	3.557846							
			K2=	0.001221							
		Formula:		K1 x√ F(MHz)+K2 x F(MHz)							

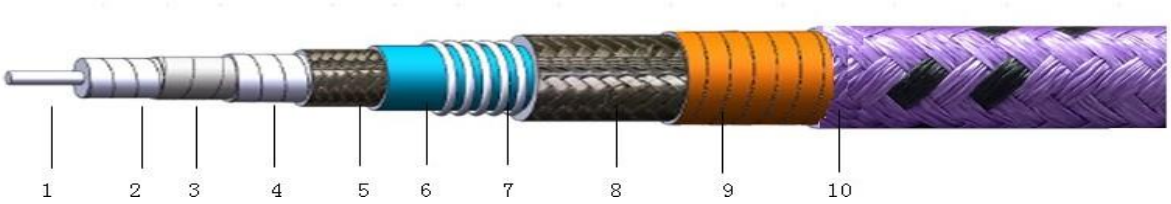
Features

Low Loss

Low VSWR

Bend, Shake, Torsion & Pull Resistant

CJ150



Cable Construction

	Description	Dimensions (mm)	Material
1-6	C150 Cable	1.85	FEP
7-8	Protect Layer	2.70	SPC
9-10	Jacket	3.84	PTFE

Mechanical & Environmental Specifications

Frequency Range： DC-110 GHz

VSWR:≤1.5@110 GHz

Bending Cycles：50,000 times

Temperature Range：-55ºC~+125ºC

Electrical Specifications

Static Bend Radius： 30mm

Dynamic Bend Radius： 50mm

Mechanical Phase：±10° Amplitude

Stability：±0.1dB

Weight: 0.033 kg/m

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

Frequency (MHz)	1000	2000	3000	6000	8000	18000	26500	40000	67000	75000	110000
Attenuation (dB/100m)	113.7	161.6	198.5	282.9	328.0	499.3	611.5	760.4	1002.7	1065.9	1314.3
Avg.Power (kW)	0.039	0.027	0.022	0.016	0.014	0.009	0.007	0.006	0.004	0.004	0.003
			K1=	3.557846							
			K2=	0.001221							
		Formula:		K1 x√ F(MHz)+K2 x F(MHz)							

Features

Low Loss

Low VSWR

Bend, Shake, Torsion & Pull Resistant

Typical Applications

Laboratory Test

Anechoic Chambers

System Test

High-Precision Instruments Test

On-site Testing and Measurement

C220

Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	0.50	Solid SPC
2	Dielectric	1.38	LD-PTFE
3	Inner Shield	1.54	SPC Strip
4	Inter-Layer	1.82	LD-PTFE
5	Outer Shield	2.17	SPC Braid
6	Jacket	2.40	Blue FEP or Custom

Mechanical & Environmental Specifications

Static Bend Radius：12mm
Dynamic Bend Radius：24mm
Weight：0.016 kg/m
Operating Temperature Range：-55ºC~+165ºC

Electrical Specifications

Frequency Range：67 GHz
Cutoff Frequency：82 GHz
Characteristic Impedance：50 Ω
Velocity of Propagation：81%
Shielding Effectiveness：> 90dB
Maximum Voltage：500 VDC

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000	67000
Attenuation (dB/100m)	63.7	90.8	111.9	160.4	186.5	209.8	235.2	287.1	354.0	444.0	593.2
Avg.Power (kW)	0.097	0.068	0.055	0.039	0.033	0.029	0.026	0.022	0.017	0.014	0.010
			K1=	1.975832							
			K2=	0.001221							
		Formula:		K1 x√ F(MHz)+K2 x F(MHz)							

Features

Low Loss

Low VSWR

Bend, Shake, Torsion & Pull Resistant

Typical Applications

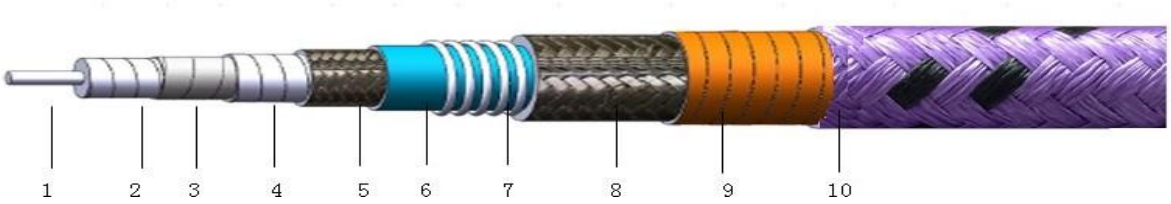
Aviation Electronics

Electronic Confrontation

Laboratory Test

RF Microwaves Device Test

CJ220



Cable Construction

	Description	Dimensions (mm)	Material
1-6	C220 Cable	2.40	FEP
7-8	Protect Layer	3.60	SPC
9-10	Jacket	4.80	PTFE

Mechanical & Environmental Specifications

Frequency Range： DC-67 GHz

VSWR:≤1.4@67 GHz

Bending Cycles：100,000 times

Temperature Range：-55ºC~+125ºC

Electrical Specifications

Static Bend Radius： 30mm

Dynamic Bend Radius： 50mm

Mechanical Phase：±7° Amplitude

Stability：±0.1dB

Weight: 0.052 kg/m

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000	67000
Attenuation (dB/100m)	63.7	90.8	111.9	160.4	186.5	209.8	235.2	287.1	354.0	444.0	593.2
Avg.Power (kW)	0.097	0.068	0.055	0.039	0.033	0.029	0.026	0.022	0.017	0.014	0.010
			K1=	1.975832							
			K2=	0.001221							
		Formula:		K1 x√ F(MHz)+K2 x F(MHz)							

Features

Low Loss

Low VSWR

Bend, Shake, Torsion & Pull Resistant

Typical Applications

Laboratory Test

Anechoic Chambers

System Test

High-Precision Instruments Test

On-site Testing and Measurement

C360

Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	0.72	Solid SPC
2	Dielectric	2.10	LD-PTFE
3	Inner Shield	2.25	SPC Strip
4	Inter-Layer	2.55	LD-PTFE
5	Outer Shield	3.01	SPC Braid
6	Jacket	3.60	Blue FEP

Mechanical & Environmental Specifications

Static Bend Radius：18mm
Dynamic Bend Radius：36mm
Weight：0.031 kg/m
Operating Temperature Range：-55ºC~+165ºC

Electrical Specifications

Frequency Range： 50 GHz
Cutoff Frequency： 50 GHz
Characteristic Impedance：50 Ω
Velocity of Propagation：76%
Shielding Effectiveness：> 90dB
Maximum Voltage：500 VDC

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000	50000
Attenuation (dB/100m)	48.1	68.3	83.9	119.4	138.4	155.2	173.4	210.2	257.1	319.2	359.2
Avg.Power (kW)	0.506	0.356	0.290	0.204	0.176	0.157	0.140	0.116	0.095	0.076	0.068
			K1=	1.507808							
			K2=	0.000440							
		Formula:		K1 x√ F(MHz)+K2 x F(MHz)							

Features

Low Loss

Low VSWR

Bend, Shake, Torsion & Pull Resistant

Typical Applications

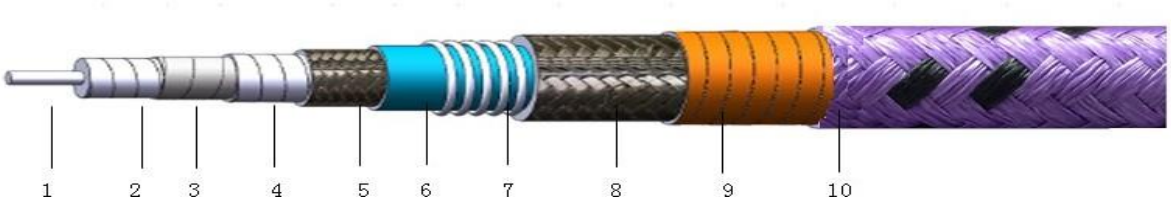
Aviation Electronics

Electronic Confrontation

Laboratory Test

RF Microwaves Device Test

CJ360



Cable Construction

	Description	Dimensions (mm)	Material
1-6	C360 Cable	3.60	FEP
7-8	Protect Layer	5.10	SPC
9-10	Jacket	6.10	PTFE

Mechanical & Environmental Specifications

Frequency Range： DC-50 GHz

VSWR:≤1.35@50 GHz

Bending Cycles： 100,000 times

Temperature Range：-55ºC~+125ºC

Electrical Specifications

Static Bend Radius： 30mm

Dynamic Bend Radius： 60mm

Mechanical Phase：±7° Amplitude

Stability：±0.05dB

Weight: 0.095 kg/m

Attenuation (Typical value @ +25ºC & VSWR=1.0)
Power (Typical Value @ +40ºC, Sea Level)

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000	50000
Attenuation (dB/100m)	48.1	68.3	83.9	119.4	138.4	155.2	173.4	210.2	257.1	319.2	359.2
Avg.Power (kW)	0.506	0.356	0.290	0.204	0.176	0.157	0.140	0.116	0.095	0.076	0.068
			K1=	1.507809							
			K2=	0.000440							
		Caculation=		K1 x√ F(MHz)+K2 x F(MHz)							

Features

Low Loss

Low VSWR

Bend, Shake, Torsion & Pull Resistant

Typical Applications

Laboratory Test

Anechoic Chambers

System Test

High-Precision Instruments Test

On-site Testing and Measurement

C400

Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.02	Solid SPC
2	Dielectric	2.80	LD-PTFE
3	Inner Shield	2.95	SPC Strip
4	Inter-Layer	3.20	LD-PTFE
5	Outer Shield	3.62	SPC Braid
6	Jacket	4.20	Blue FEP

Mechanical & Environmental Specifications

Static Bend Radius：21mm
Dynamic Bend Radius：42mm
Weight：0.040 kg/m
Operating Temperature Range：-55ºC~+165ºC

Electrical Specifications

Frequency Range：40 GHz
Cutoff Frequency：41 GHz
Characteristic Impedance：50 Ω
Velocity of Propagation：81%
Shielding Effectiveness：> 90dB
Maximum Voltage：500 VDC

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/100m)	40.5	57.6	70.8	100.8	116.9	131.2	146.6	178.0	218.0	271.2
Avg.Power (kW)	0.567	0.399	0.325	0.228	0.197	0.175	0.157	0.129	0.105	0.085
			K1=	1.267795						
			K2=	0.000440						
		Formula:		K1 x√ F(MHz)+K2 x F(MHz)						

Features

Low Loss

Low VSWR

Bend, Shake, Torsion & Pull Resistant

Typical Applications

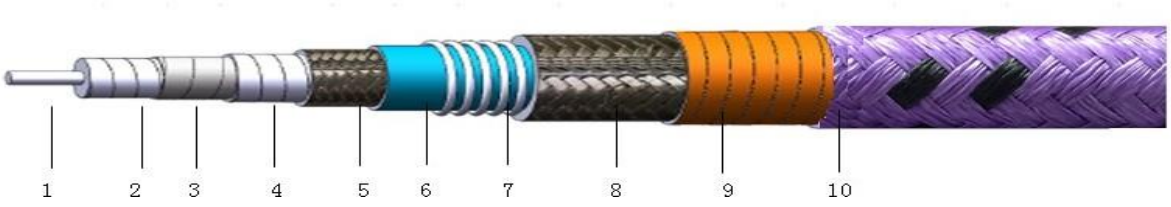
Aviation Electronics

Electronic Confrontation

Laboratory Test

RF Microwaves Device Test

CJ400



Cable Construction

	Description	Dimensions (mm)	Material
1-6	C400 Cable	4.20	FEP
7-8	Protect Layer	5.75	SPC
9-10	Jacket	6.70	PTFE

Mechanical & Environmental Specifications

Frequency Range： DC-40 GHz

VSWR:≤1.3@40 GHz

Bending Cycles：100,000 times

Temperature Range：-55ºC~+125ºC

Electrical Specifications

Static Bend Radius： 40mm

Dynamic Bend Radius： 70mm

Mechanical Phase：±7° Amplitude

Stability：±0.05dB

Weight: 0.110 kg/m

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/100m)	40.5	57.6	70.8	100.8	116.9	131.2	146.6	178.0	218.0	271.2
Avg.Power (kW)	0.567	0.399	0.325	0.228	0.197	0.175	0.157	0.129	0.105	0.085
			K1=	1.267795						
			K2=	0.000440						
		Formula:		K1 x√ F(MHz)+K2 x F(MHz)						

Features

Low Loss

Low VSWR

Bend, Shake, Torsion & Pull Resistant

Typical Applications

Laboratory Test

Anechoic Chambers

System Test

High-Precision Instruments Test

On-site Testing and Measurement

C500

Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.44	Stranded SPC
2	Dielectric	3.85	LD-PTFE
3	Inner Shield	4.05	SPC Strip
4	Inter-Layer	4.30	LD-PTFE
5	Outer Shield	4.65	SPC Braid
6	Jacket	5.10	Blue FEP

Mechanical & Environmental Specifications

Static Bend Radius：25mm
Dynamic Bend Radius：50mm
Weight：0.055 kg/m
Operating Temperature Range：-55ºC~+165ºC

Electrical Specifications

Frequency Range：26.5 GHz
Cutoff Frequency：29 GHz
Characteristic Impedance：50 Ω
Velocity of Propagation：82%
Shielding Effectiveness：> 90dB
Maximum Voltage：2000 VDC

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500
Attenuation (dB/100m)	27.1	38.9	48.1	69.6	81.3	91.9	103.5	127.4	158.8
Avg.Power (kW)	0.821	0.573	0.463	0.320	0.274	0.242	0.215	0.175	0.140
			K1=	0.828800					
			K2=	0.000900					
		Formula:		K1 x√ F(MHz)+K2 x F(MHz)					

Features

Low Loss

Low VSWR

Bend, Shake, Torsion & Pull Resistant

Typical Applications

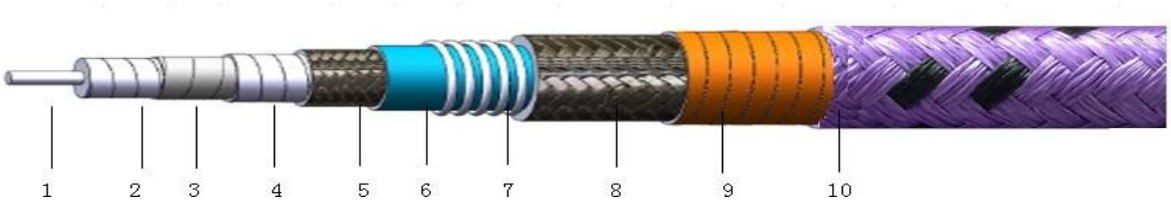
Aviation Electronics

Electronic Confrontation

Laboratory Test

RF Microwaves Device Test

CJ500



Cable Construction

	Description	Dimensions (mm)	Material
1-6	C500 Cable	5.10	FEP
7-8	Protect Layer	6.70	SPC
9-10	Jacket	7.60	PTFE

Mechanical & Environmental Specifications

Frequency Range： DC-26.5 GHz

VSWR:≤1.25@26.5 GHz

Bending Cycles：600,000 times

Temperature Range：-55ºC~+125ºC

Electrical Specifications

Static Bend Radius： 50mm

Dynamic Bend Radius： 80mm

Mechanical Phase：±5° Amplitude

Stability：±0.05dB

Weight: 0.135 kg/m

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500
Attenuation (dB/100m)	27.1	38.9	48.1	69.6	81.3	91.9	103.5	127.4	158.8
Avg.Power (kW)	0.821	0.573	0.463	0.320	0.274	0.242	0.215	0.175	0.140
			K1=	0.828800					
			K2=	0.000900					
		Formula:		K1 x√ F(MHz)+K2 x F(MHz)					

Features

Low Loss

Low VSWR

Bend, Shake, Torsion & Pull Resistant

Typical Applications

Laboratory Test

Anechoic Chambers

System Test

High-Precision Instruments Test

On-site Testing and Measurement

C800

Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	2.39	Solid SPC
2	Dielectric	6.16	LD-PTFE
3	Inner Shield	6.40	SPC Strip
4	Inter-Layer	6.70	LD-PTFE
5	Outer Shield	7.25	SPC Braid
6	Jacket	7.80	Blue FEP

Mechanical & Environmental Specifications

Static Bend Radius：40mm
Dynamic Bend Radius：80mm
Weight：0.123 kg/m
Operating Temperature Range：-55ºC~+165ºC

Electrical Specifications

Frequency Range： 18 GHz
Cutoff Frequency： 18 GHz
Characteristic Impedance：50 Ω
Velocity of Propagation：82%
Shielding Effectiveness：> 90dB
Maximum Voltage：2000 VDC

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

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

Features

Low Loss

Low VSWR

Bend, Shake, Torsion & Pull Resistant

Typical Applications

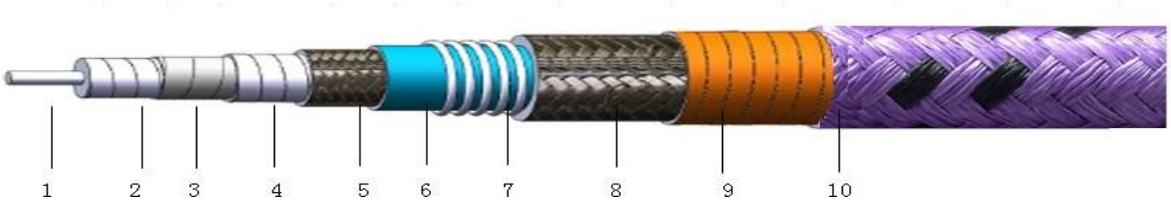
Aviation Electronics

Electronic Confrontation

Laboratory Test

RF Microwaves Device Test

CJ800



Cable Construction

	Description	Dimensions (mm)	Material
1-6	C800 Cable	7.80	FEP
7-8	Protect Layer	9.45	SPC
9-10	Jacket	10.40	PTFE

Mechanical & Environmental Specifications

Frequency Range： DC-18 GHz

VSWR:≤1.25@18 GHz

Bending Cycles：200,000 times

Temperature Range：-55ºC~+125ºC

Electrical Specifications

Static Bend Radius： 50mm

Dynamic Bend Radius： 80mm

Mechanical Phase：±3° Amplitude

Stability：±0.05dB

Weight: 0.220 kg/m

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

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000
Attenuation (dB/100m)	16.7	23.8	29.3	42.1	48.9	55.0	61.7	75.3
Avg.Power (kW)	1.602	1.124	0.912	0.636	0.547	0.486	0.434	0.356
			K1=	0.518300				
			K2=	0.000320				
		Formula:		K1 x√ F(MHz)+K2 x F(MHz)				

Features

Low Loss

Low VSWR

Bend, Shake, Torsion & Pull Resistant

Typical Applications

Laboratory Test

Anechoic Chambers

System Test

High-Precision Instruments Test

On-site Testing and Measurement