

# HIGH PERFORMANCE RF COAX CABLES & ASSEMBLIES



**ANYARC**  
[www.anyarc.com](http://www.anyarc.com)

ANYARC (KUNSHAN) TECHNOLOGY CO.,LTD



# COMPANY PROFILE

## ANYARC (KUNSHAN) TECHNOLOGY CO.,LTD

ANYARC is a professional manufacturer on 50  $\Omega$  ,RF/Microwave/Millimeter Waves coax cable and cable assemblies.We are dedicated to develop high performance coaxial cable .

We organized several experts who has profound understanding of RF cable,especially on material application, production process,Testing&Inspection.And the years of experience we have in the market brings us the capability to well understand the customer's real demand quickly and truly.

### Products provided:

1. DC-67GHz, Low loss & phase stable cable, Ultra flexible & Semi-rigid cable
2. DC-67GHz, Cable assemblies (Regular and Test grade)
3. Custom-made cable

### Characteristic & Application

Frequency: DC-67GHz

Cable OD: 1.13mm-15mm

OP.Temp.: -65°C ~ +250°C

1. Low loss: B500 cable, 1dB@18GHz/m, optimized energy transmission
2. Phase stability: B360 cable, Mechanical phase $\leq\pm 3^\circ$ @18GHz
3. Low SWR: 40GHz cable assy, 1.15min/1.25max, excellent transmission performance
4. High power: 1740W@3GHz, Cable OD 14.7mm, for electronic war
5. Light can weighth: lighten the aircraft's wight
6. Ultra flexible: can meet the narrow space and bending installation
7. Custom-made: R&D according customer request

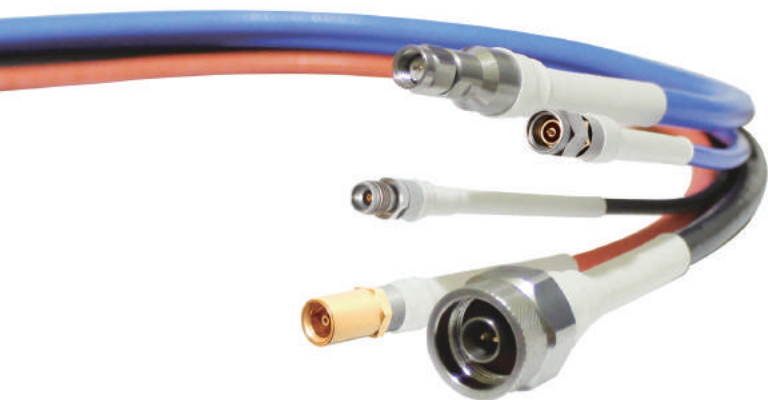


# CATALOGUE

## ANYARC<sup>®</sup>

### RF&MICROWAVE COAX CABLE

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## PRODUCTS FEATURES

### A series (High Temp & Anti-torsion)

- › OP.Temp.:+200°C
- › Special construction, can meet the torsion, bending and vibration environment
- › Three shielding layers, shielding effectiveness >100dB

### ► B series (Low loss & Phase stable)

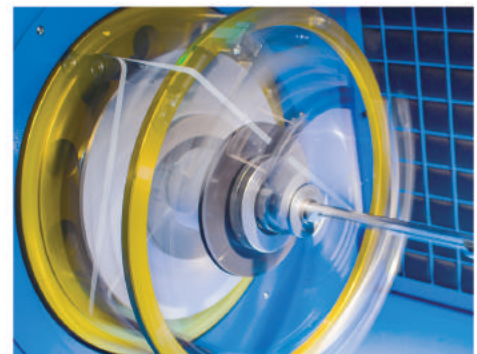
- › Ultra low loss, B-500 cable, OD 5.2mm, Insertion loss 1dB/m@18GHz
- › Mechanical phase stability, Cable B360, Cable OD 3.6mm,  $\pm 3^\circ$ @18GHz
- › Temperature phase stability -40°C ~ +80°C ppm<500
- › Mechanical amplitude stability, Cable B500, Cable OD 5.2mm, 0.03dB

### C series (Basis & economical type)

- › Extruded PTFE dielectric, for noncritical environment

### ► D series (Low loss semi-rigid cable)

- › Extruded PTFE dielectric, for noncritical needs
- › Wrapping LD-PTFE dielectric, lowers 30% insertion loss than solid PTFE, lowers 100% at temperature phase, 20% at weight. And raises 20% at power





#### ► E series (Ultra flexible, pendulous type)

- › Application for dangling, bending needs at narrow space, such as test platform and antenna-feeder.
- › PTFE lapping jacket, OP.Temp.+250°C
- › PUR jacket, OP.Temp.+85°C

#### F series (Economic and practical type)

- › Noncritical condition application
- › Performance close to B series

#### G series (Flexible and economic type)

- › Flexibility close to E series, and G series' IL are higher than E series to 16%, but the cost is half of E only.
- › OP.Temp.: +85°C (PUR jacket)



### MH series ( Micro-coax )

- › Cable OD 1.13mm to 1.80mm
- › Application for joints rotary, Hand-held military radio station and other hand-held termination's innerconnection.

### Test cable with armor

- › AccuTest test cable: Anti-torsion resistance, Resisting crushing, Stretch resistant, Flexibility
- › DuraTest test cable: Anti-torsion resistance, Resisting crushing, Stretch resistant, Uvioresistant, Abrasion resistant, Acid and alkali resistance , Water proofing
- › Freq: 67GHz、50GHz、40GHz、26.5GHz、18GHz、6GHz

### Armor series

- › Armor can protect the cables by brutally distorted, squeezed, and gnawed by various animals, meanwhile can prolong the service life.



## Rapid selection Table

### Flexible Cable Selection Table

S/N	Type	Low Loss	Stable Phase	High Temp	Anti Torsion	Ultra Flexible	Aarmor Available	Instrument Test cable	Freq 67G	Freq 40G	Freq 26.5G	Freq 18G	Freq 13.5G	Page
1	A-360		✓	200°C	✓		✓			✓				P7
2	A-460		✓		✓		✓				✓			
3	A-520		✓		✓		✓				✓			
4	A-630		✓		✓							✓		
5	B-220	✓	✓	165°C			✓	✓	✓					P11
6	B-360	✓	✓				✓	✓		✓				
7	B-500	✓	✓				✓	✓			✓			
8	B-800	✓	✓				✓					✓		
9	E-360		✓	250°C		✓				✓				P23
10	E-500		✓			✓					✓			
11	E-800		✓			✓						✓		
12	F-280	✓		165°C			✓				✓			P27
13	F-350	✓					✓					✓		
14	F-500	✓					✓						✓	
15	F-750	✓					✓						✓	
16	G-400			85°C		✓						✓		P31
17	G-600					✓							✓	
18	G-850					✓							✓	
19	MH-113	✓		125°C										P35
20	MH-137			85°C										
21	MH-178													
22	AccuTest		✓		✓		✓	✓	✓					P38
23	DuraTest		✓		✓		✓	✓			✓			P41

Notes: The figures of cable type are the cable's jacket OD, unit is mm. Such as cable A-360, the OD is 3.6mm

### Semi-rigid Selection Table

S/N	Type	Describe	Low Loss	High Temp	Bending times	Freq 67G	Freq 40G	Freq 26.5G	Page
1	D-086	Low loss semi-rigid cable	✓	250°C	Bending once	✓			P19
2	D-120	Low loss semi-rigid cable	✓		Bending once		✓		
3	D-141	Low loss semi-rigid cable	✓		Bending once			✓	

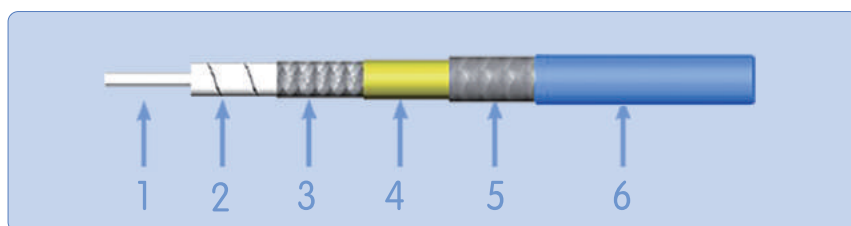
Notes: The figures of cable type are the cable's jacket OD, unit is inch. Such as cable D-086, the OD is 0.086inches



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## A series (Heat Temp & Anti-torsion)

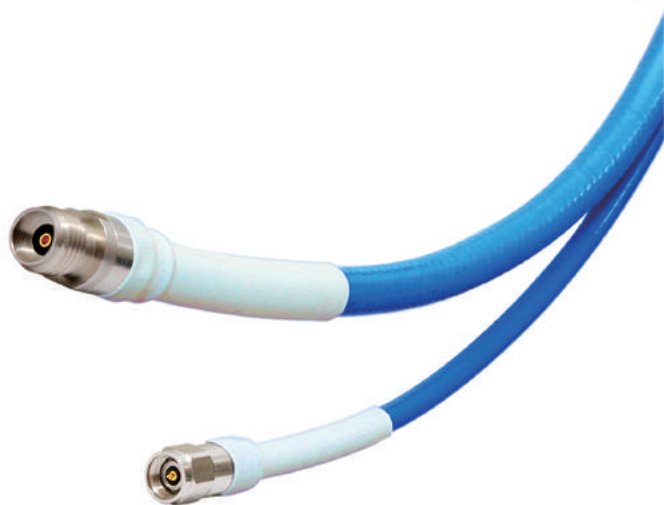
### Contruaction



1. Center conductor: Silver Plated Copper
2. Dielectric: ND-PTFE Wrapping
3. Outer conductor: Silver Plated Copper Ribbon
4. Innerlayer: Aluminum Laminate
5. Outer Shield: Silver Plated Copper
6. Jacket: Blue FEP

### Parameter

Impedance :  $50\ \Omega$   
 Temperature:  $-55^{\circ}\text{C} \sim +200^{\circ}\text{C}$   
 Time Delay:  $4.39\ \text{nS/m}$   
 Capacitance:  $88\ \text{pF/m}$   
 Inductance:  $0.22\ \mu\text{H/m}$   
 Shielding effectiveness:  $> 100\ \text{dB}$   
 Dielectric constant: 1.73



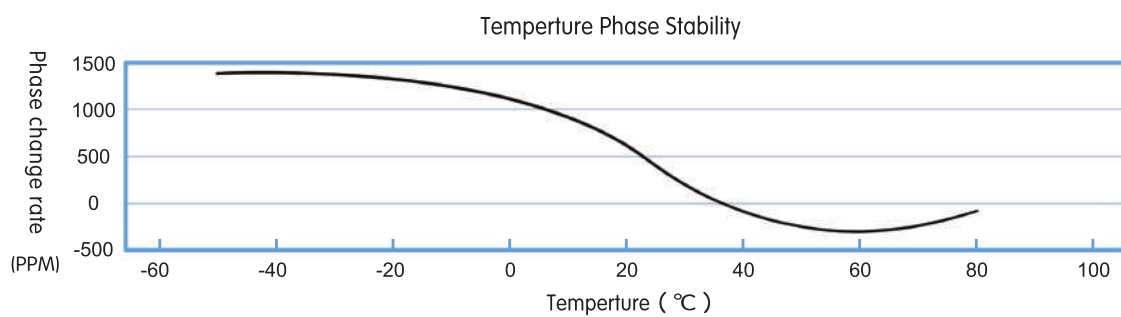
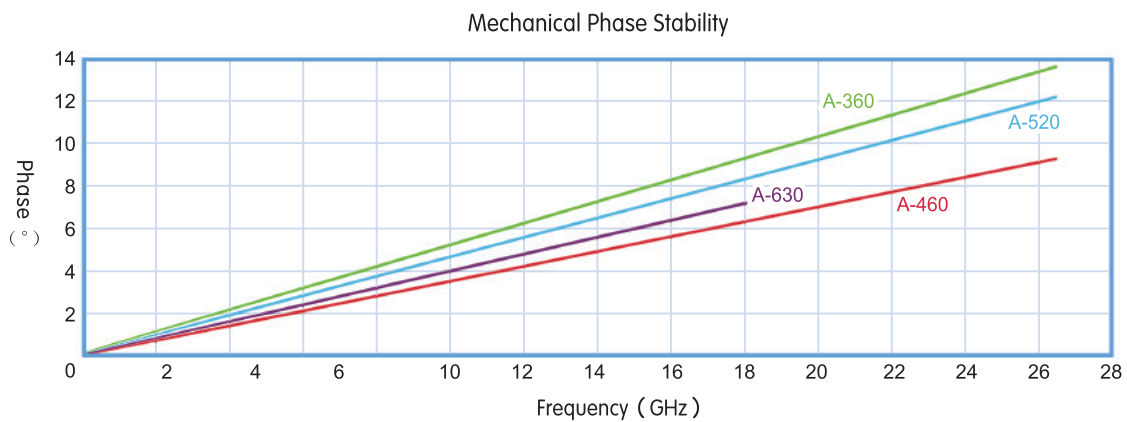
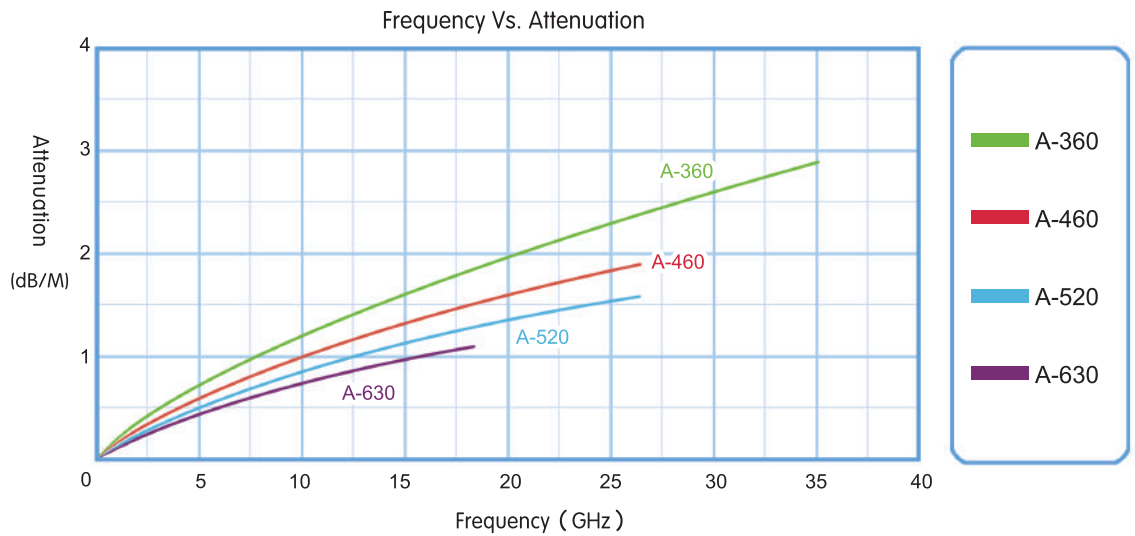


## A series Specification (High Temp.& Anti-torsion )

Type	A-360		A-460		A-520		A-630	
Size	mm		mm		mm		mm	
Center conductor	0.72		1.02		1.29		1.57	
Dielectric	2.21		3.07		3.91		4.72	
Outer conductor	2.41		3.27		4.15		4.96	
Innerlayer	2.59		3.43		4.28		5.10	
Outer Shield	3.05		3.94		4.79		5.66	
Jacket	3.60		4.60		5.20		6.35	
	Mechanical Characters							
Installation bend R (mm)	18.00		23.00		26.00		32.00	
Repeated bend R (mm)	36.00		46.00		52.00		63.00	
Weight	34g/m		50g/m		60g/m		90g/m	
	Electric Characters							
Cut-Off Frequency	40GHz		30GHz		28GHz		23GHz	
Velocity of Propagation	76%		76%		76%		76%	
Voltage Withstand	500V, DC		1000V, DC		1500V, DC		2000V, DC	
Peak power	1kW		2.5kW		5.6kW		10kW	
Attenuation Vs .Avg.Power	Attenuation (+25℃) ; Power (Typical@25℃&VSWR=1.0) &Power (VSWR=1.0;40℃;Sea Level)							
Freq ( MHz )	dB/m	W	dB/m	W	dB/m	W	dB/m	W
50	0.108	2260	0.078	2579	0.060	3411	0.048	4700
100	0.153	1610	0.110	1821	0.086	2407	0.069	3315
300	0.267	928	0.192	1047	0.150	1383	0.120	1902
1000	0.489	506	0.353	569	0.276	750	0.222	1029
2200	0.729	340	0.528	380	0.414	501	0.333	690
2400	0.762	325	0.553	364	0.433	479	0.348	660
4000	0.988	251	0.719	280	0.565	367	0.455	501
5800	1.194	207	0.872	231	0.686	302	0.554	415
8000	1.407	176	1.031	195	0.813	255	0.658	347
10000	1.578	157	1.115	174	0.915	227	0.742	308
12000	1.734	143	1.276	158	1.008	206	0.819	279
13500	1.842	134	1.358	148	1.074	193	0.873	262
15000	1.945	127	1.436	140	1.137	183	0.924	247
18000	2.138	116	1.583	127	1.255	165	1.022	223
22000	2.373	104	1.763	114	1.399	148		
26500	2.615	95	1.949	103	1.550	134		
35000	3.025	82						
Others	calculation formula (dB/100m) = K1*sqrt(FMhz)+K2*FMhz							
K1	K1=1.5347769		K1=1.0994853		K1=0.8562340		K1=0.6827430	
K2	K2=0.0005906		K2=0.0005906		K2=0.0005906		K2=0.0005906	



## Features



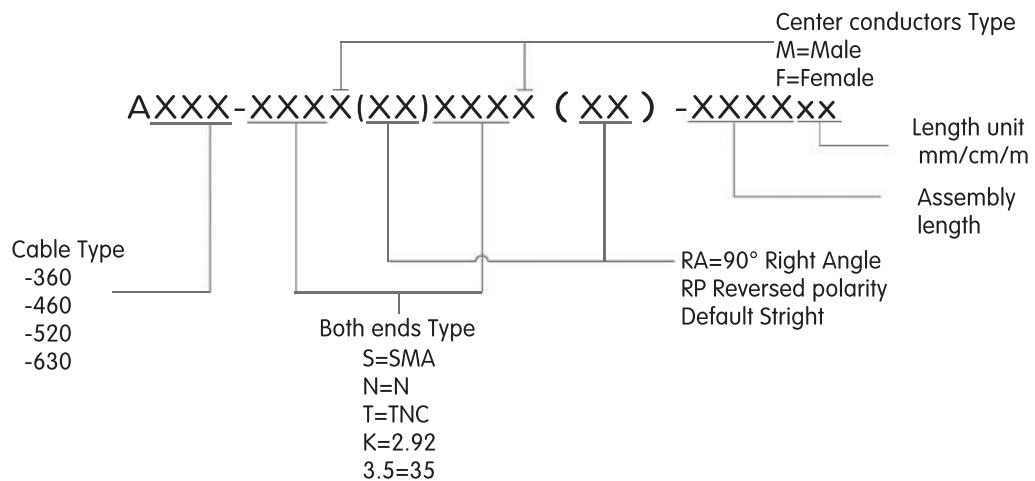
## Features

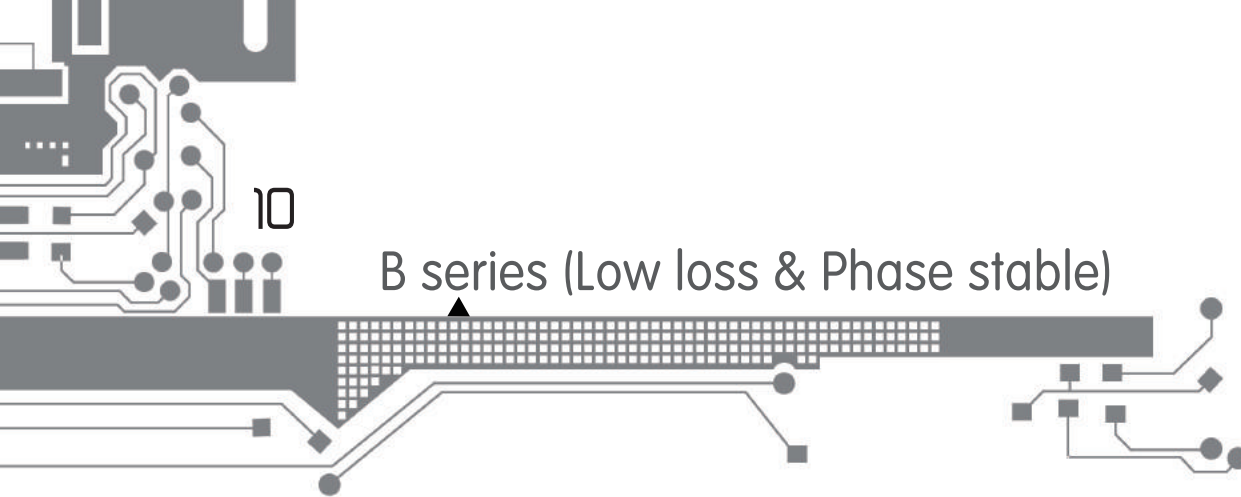
Connectors Selection Table

Connectors	A-360	A-460	A-520	A-630	Material	Connection mode	
						Center conductor	Outer conductor
2.92-Male	●				Stainless steel	Spring Finger	Solder
SMA-Male	●	●	●		Stainless steel	Solder	Solder
SMA-Female	●	●	●	●	Stainless steel	Solder	Solder
SMA-Male-RA	●	●	●		Stainless steel	Solder	Solder
N-Male	●	●	●	●	Stainless steel	Solder	Solder
N-Female		●			Stainless steel	Solder	Solder
N-Male-RA		●			Stainless steel	Solder	Solder
TNC-Male	●	●	●	●	Stainless steel	Solder	Solder
TNC-Female					Stainless steel	Solder	Solder
SMP-Female	●				Beryllium	Solder	Solder

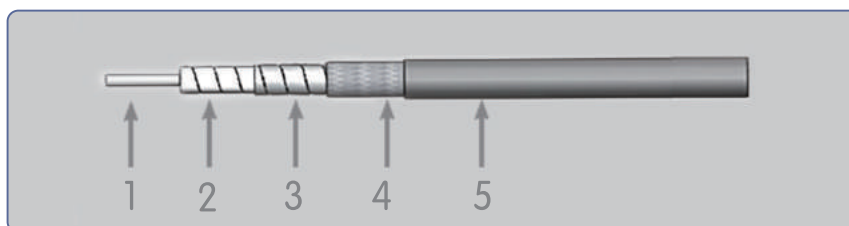
Notes: Please contact us if any request

Cable Assemblies Code Rule





## Contruaction



- 1 . Center conductor: Silver Plated Copper
2. Dielectric: LD-PTFE Wrapping
3. Outer conductor: Silver Plated Copper Ribbon
4. Outer Shield: Silver Plated Copper
5. Jacket: Gray FEP

## Parameter

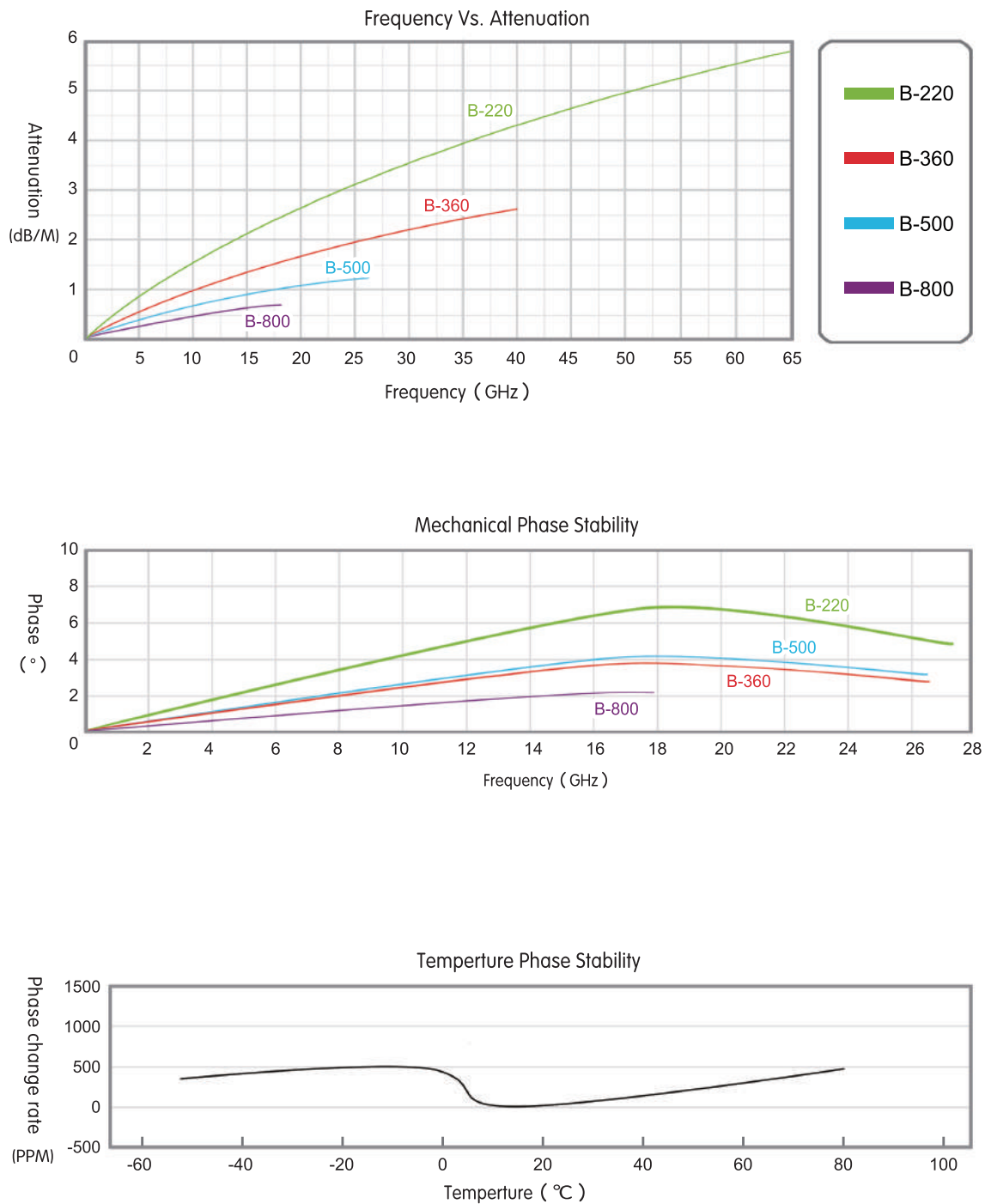
Impedance:  $50\ \Omega$   
 Temperature:  $-55^{\circ}\text{C} \sim +165^{\circ}\text{C}$   
 Time Delay:  $4.02\ \text{nS/m}$   
 Capacitance:  $80\ \text{pF/m}$   
 Inductance:  $0.31\ \mu\text{H/m}$   
 Shielding effectiveness:  $> 90\ \text{dB}$   
 Dielectric constant: 1.45



## B series Specification (Low loss & Phase stable )

Type	B-220		B-360		B-500		B-800	
Size	mm		mm		mm		mm	
Center conductor	0. 50		0. 91		1. 45		2. 30	
Dielectric	1. 38		2. 50		4. 00		6. 25	
Outer conductor	1. 54		2. 70		4. 30		6. 60	
Outer Shield	1. 89		3. 20		4. 76		7. 10	
Jacket	2. 20		3. 60		5. 20		7. 80	
	Mechanical Charactors							
Installation bend R ( m m )	10. 00		18. 00		25. 50		39. 00	
Repeated bend R ( m m )	22. 00		36. 00		51. 00		78. 00	
Weight	16g/m		33g/m		50g/m		137g/m	
	Electric Charactors							
Cut-Off Frequency	67GHz		46GHz		29GHz		19GHz	
Velocity of Propagation	82%		81%		83%		83%	
Voltage Withstand	400DC		1000DC		1500DC		2000DC	
Peak power	0. 55kW		2. 5kW		5. 6kW		10kW	
Attenuation Vs Avg.Power	Attenuation ( +25℃ ) ； Power (Typical@25℃&VSWR=1. 0) &Power ( VSWR=1. 0;40℃;Sea Level )							
Freq ( MHz )	dB/m	W	dB/m	W	dB/m	W	dB/m	W
50	0. 140	440	0. 083	2303	0. 050	3957	0. 032	8250
100	0. 199	309	0. 120	1626	0. 071	2793	0. 046	5817
300	0. 346	178	0. 204	936	0. 125	1688	0. 080	3341
1000	0. 637	97	0. 375	509	0. 229	875	0. 147	1812
2200	0. 954	65	0. 562	341	0. 350	610	0. 221	1205
2400	0. 997	62	0. 585	326	0. 360	556	0. 231	1986
4000	1. 298	47	0. 761	251	0. 465	431	0. 301	886
5800	1. 576	39	0. 921	207	0. 575	338	0. 366	723
8000	1. 865	33	1. 089	175	0. 666	302	0. 433	615
10000	2. 098	29	1. 223	156	0. 748	268	0. 488	547
12000	2. 311	27	1. 346	142	0. 820	236	0. 538	496
13500	2. 461	25	1. 432	133	0. 875	229	0. 574	465
15000	2. 603	24	1. 513	126	0. 925	217	0. 608	440
18000	2. 871	21	1. 666	115	1. 019	197	0. 671	398
26500	3. 540	17	1. 942	98	1. 252	160		
35000	4. 124	15	2. 378	80				
40000	4. 440	14	2. 557	75				
50000	5. 128	12						
67000	6. 131	11						
Other	Calculation Formula (dB/100m) = K1*sqrt(FMhz)+K2*FMhz							
K1	K1=1. 9758324		K1=1. 16847		K1=0. 715687		K1=0. 456380	
K2	K2=0. 0012207		K2=0. 00055		K2=0. 000328		K2=0. 000328	

## Features



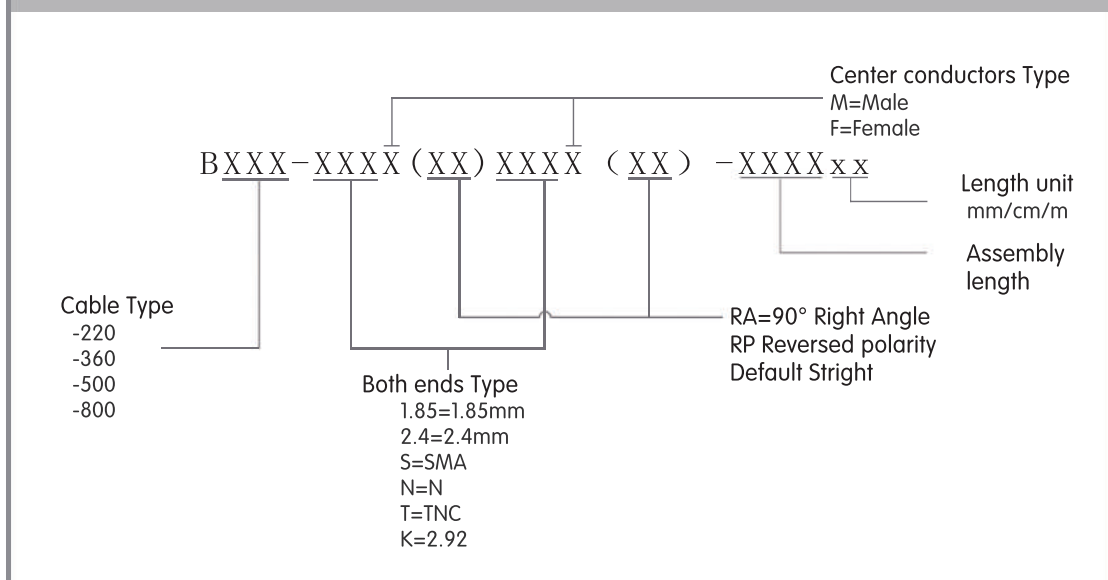
## Features

Connectors Selection Table

Connectors	B-220	B-360	B-500	B-800	Material	Connection mode	
						Center conductor	Outer conductor
1.85-Male	●				Stainless steel	Spring Finger	Solder
1.85-Female	●				Stainless steel	Spring Finger	Solder
2.4-Male	●	●	●		Stainless steel	Spring Finger	Solder
2.4-Female	●	●	●		Stainless steel	Spring Finger	Solder
2.92-Male	●	●	●		Stainless steel	Spring Finger	Solder
2.92-Female	●	●	●		Stainless steel	Spring Finger	Solder
SMA-Male	●	●	●	●	Stainless steel	Solder	Solder
SMA-Female	●	●	●	●	Stainless steel	Solder	Solder
N-Male	●	●	●	●	Stainless steel	Solder	Solder
TNC-Male			●	●	Stainless steel	Solder	Solder
SMP-Female	●	●			Beryllium	Solder	Solder

Notes: Please contact us if any request

Cable Assemblies Code Rule

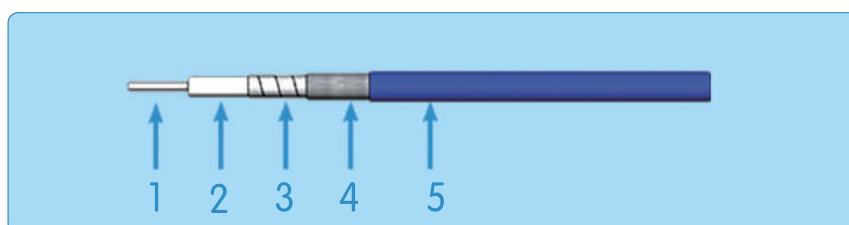




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## C series (Basis & economical type)

### Construction



1. Center conductor: Silver Plated Copper
2. Dielectric: Solid PTFE
3. Outer conductor: Silver Plated Copper Ribbon
4. Outer Shield: Silver Plated Copper
5. Jacket: Blue FEP

### Parameter

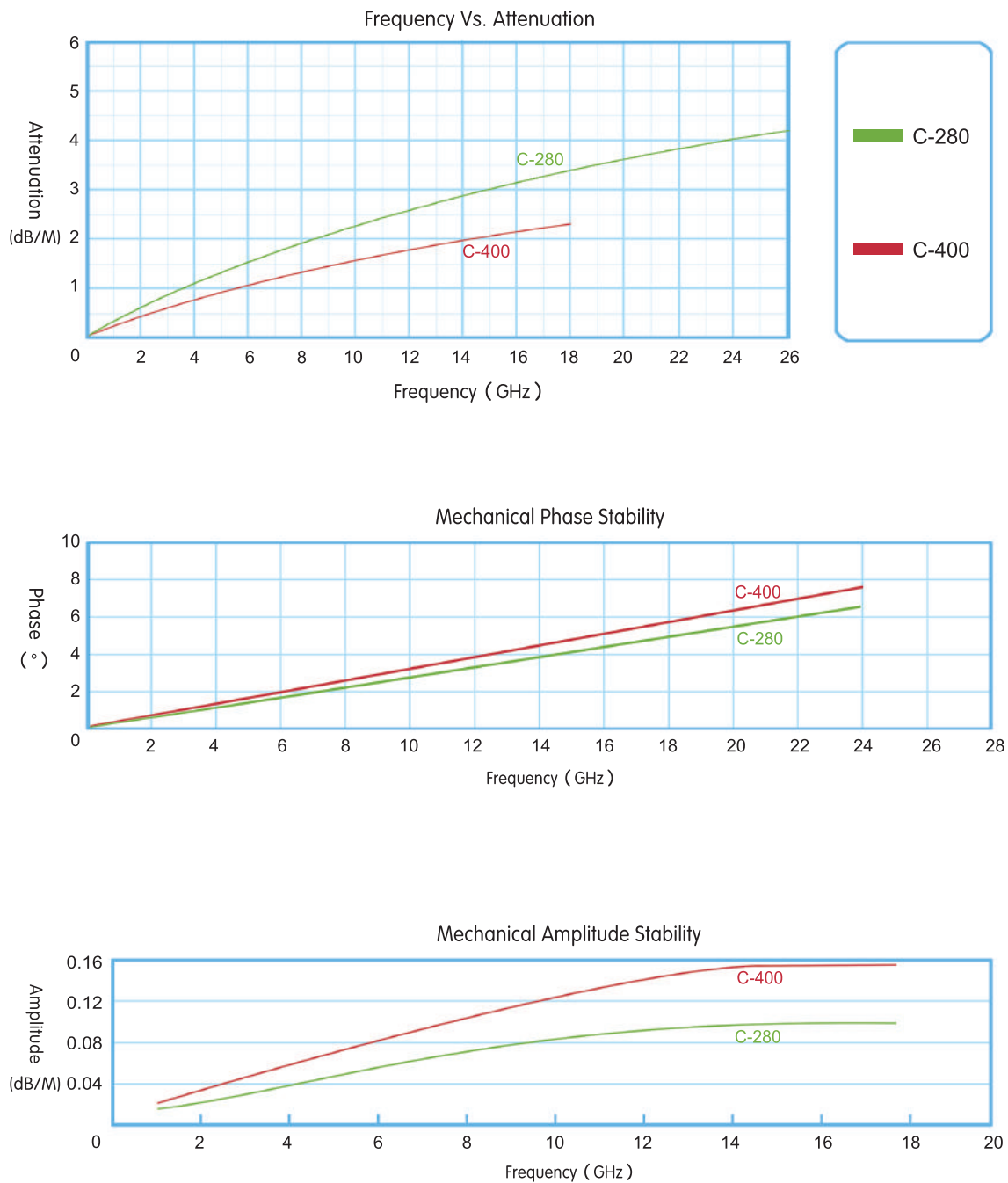
Impedance:  $50\ \Omega$   
Temperature:  $-55^{\circ}\text{C} \sim +165^{\circ}\text{C}$   
Time Delay:  $4.76\text{ns/m}$   
Capacitance:  $95\text{pF/m}$   
Inductance:  $0.26\mu\text{H/m}$   
Shielding effectiveness:  $>90\text{dB}$   
Dielectric constant: 2.04



## C series Specification (Basis & economical type )

Type	C-280		C-400	
Size	mm		mm	
Center conductor	0. 51		0. 91	
Dielectric	1. 63		3. 00	
Outer conductor	1. 79		3. 20	
Outer Shield	2. 16		3. 55	
Jacket	2. 80		4. 00	
	Mechanical Charactors			
Installation bend R (m m)	14. 00		20. 00	
Repeated bend R (m m)	28. 00		40. 00	
Weight	22g/m		49g/m	
	Electric Charactors			
Cut-Off Frequency	26. 5GHz		20GHz	
Velocity of Propagation	70%		70%	
Voltage Withstand	1000V, DC		1900V, DC	
Peak power	2. 5kW		9kW	
Attenuation Vs.Avg.Power	Attenuation ( +25℃ ) ; Power ( Typical@25℃&VSWR=1.0 ) &Power ( VSWR=1.0;40℃;Sea			
Freq ( MHz )	dB/m	W	dB/m	W
50	0. 148	467	0. 079	1300
100	0. 211	328	0. 112	910
300	0. 370	187	0. 199	512
1000	0. 693	100	0. 382	267
2200	1. 056	65	0. 594	172
2400	1. 107	62	0. 625	163
4000	1. 465	47	0. 842	121
5800	1. 802	38	1. 053	97
8000	2. 164	32	1. 283	80
10000	2. 461	28	1. 476	69
12000	2. 737	25	1. 658	62
13500	2. 933	24	1. 789	57
15000	3. 122	22	1. 916	53
18000	3. 482	20	2. 161	47
22000	3. 932	18		
26500	4. 408	16		
35000				
40000				
Other	Calculation Formula (dB/100m) = K1*sqrt(FMhz)+K2*FMhz			
K1	K1=2. 0669291		K1=1. 082400	
K2	K2=0. 003937		K2=0. 003937	

## Features



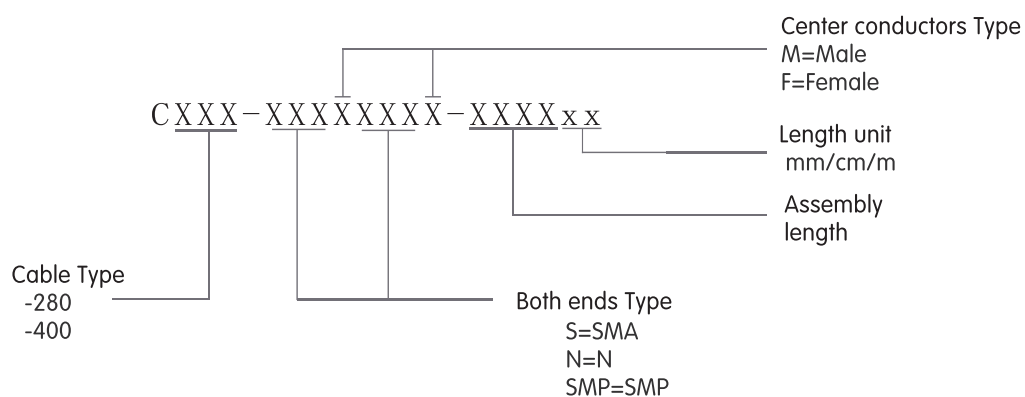
## Features

Connectors Selection Table

Connectors	C-280	C-400	Material	Connection mode	
				Center conductor	Outer conductor
2.92-Male			Stainless steel	Spring Finger	Solder
3.5-Female			Stainless steel	Solder	Solder
SMA-Male	●	●	Stainless steel	Solder	Solder
SMA-Female	●	●	Stainless steel	Solder	Solder
SMA-Male-RA			Stainless steel	Solder	Solder
N-Male		●	Stainless steel	Solder	Solder
N-Female			Stainless steel	Solder	Solder
N-Male-RA			Stainless steel	Solder	Solder
TNC-Male			Stainless steel	Solder	Solder
TNC-Female			Stainless steel	Solder	Solder
SMP-Female	●		Beryllium	Solder	Solder

Notes: Please contact us if any request

Cable Assemblies Code Rule



## D series (Low loss semi-rigid cable)

### Construction



1. Center conductor: Silver Plated Copper
2. Dielectric: LD-PTFE Wrapping
3. Seamless steel pipe, Bare Copper, Beryllium alloy plated, Tinned plated

### Parameter

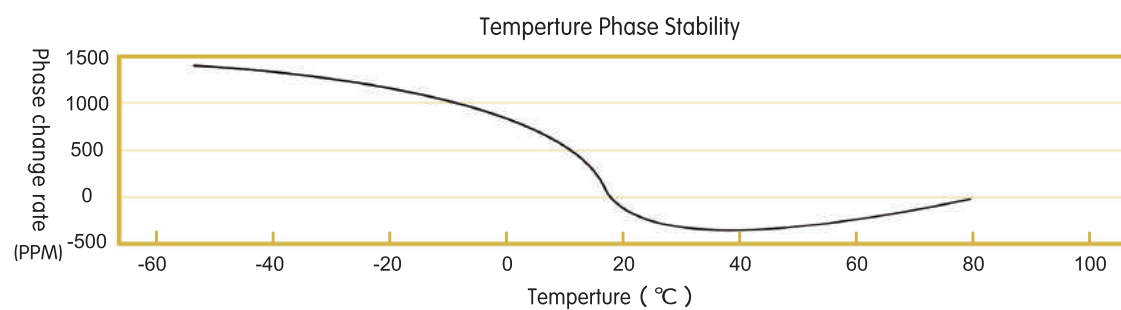
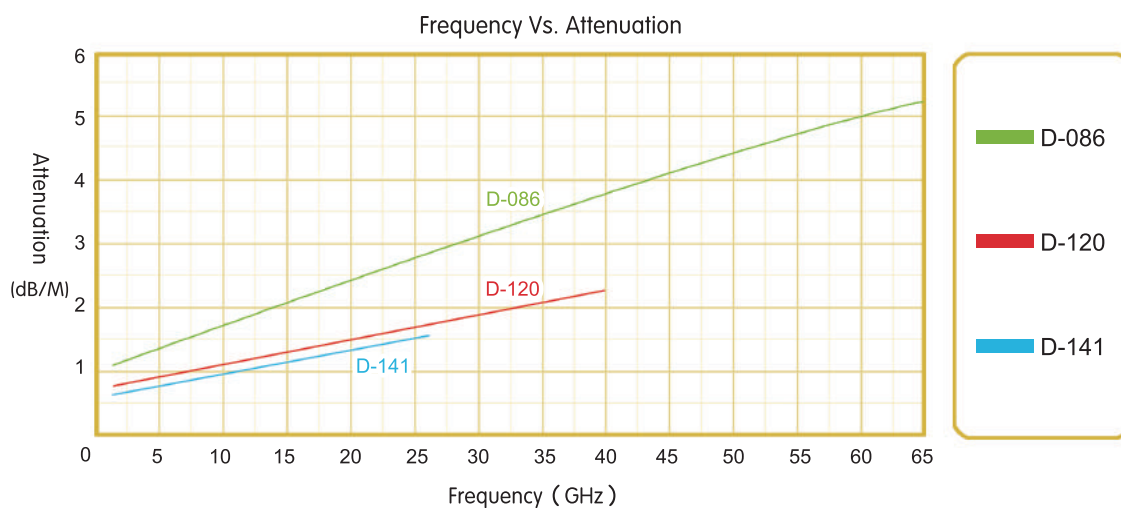
Impedance:  $50\ \Omega$   
 Temperature:  $-65^{\circ}\text{C} \sim +250^{\circ}\text{C}$   
 Time Delay :  $4.39\ \text{nS/m}$   
 Capacitance:  $88\ \text{pF/m}$   
 Inductance:  $0.22\ \mu\text{H/m}$   
 Shielding effectiveness:  $> 165\ \text{dB}$   
 Dielectric constant: 1.73



## D series Specification (Low loss semi-rigid cable )

Type	D-086		D-120		D-141	
Size	mm		mm		mm	
Center conductor	0. 56		0. 91		0. 99	
Dielectric	1. 68		2. 70		3. 00	
Jacket	2. 18		3. 05		3. 58	
	Mechanical Charactors					
Installation bend R ( m m )	7. 00		10. 00		40. 00	
Weight	19 g/m		35 g/m		43 g/m	
	Electric Charactors					
Cut-Off Frequency	67 GHz		40 GHz		30 GHz	
Velocity of Propagation	76%		76%		76%	
Voltage Withstand	600V, DC		1000V, DC		1300V, DC	
Peak power	2. 0kW		2. 5kW		4. 2kW	
Attenuation Vs. Avg.Power	Attenuation ( +25℃ ) ; Power ( Typical@25℃&VSWR=1.0 ) &Power ( VSWR=1.0;40℃;Sea Level )					
Freq ( MHz )	dB/m	W	dB/m	W	dB/m	W
50	0. 129	1170	0. 752	2394	0. 068	2677
100	0. 183	827	0. 113	1690	0. 093	1889
300	0. 317	476	0. 181	972	0. 169	1086
1000	0. 554	259	0. 344	528	0. 310	590
2200	0. 871	174	0. 519	357	0. 464	394
2400	0. 908	166	0. 528	343	0. 481	377
4000	1. 112	128	0. 693	260	0. 633	289
5800	1. 424	106	0. 842	214	0. 771	238
8000	1. 592	90	0. 991	181	0. 912	201
10000	1. 781	80	1. 110	161	1. 028	179
12000	1. 962	73	1. 221	146	1. 122	163
13500	2. 080	69	1. 309	137	1. 201	153
15000	2. 201	65	1. 392	130	1. 270	144
18000	2. 413	59	1. 520	118	1. 408	131
22000	2. 681	53	1. 557	106	1. 563	117
26500	2. 967	48	1. 876	96	1. 720	106
35000	3. 428	42	2. 181	82		
40000	3. 692	39	2. 346	76		
50000	4. 912	35				
67000	5. 925	30				
Other	Calculation Formula (dB/100m) = K1*sqrt(FMhz)+K2*FMhz					
K1	K1=1. 72000		K1=1. 05500		K1=0. 96104	
K2	K2=0. 00059		K2=0. 00059		K2=0. 00059	

## Features





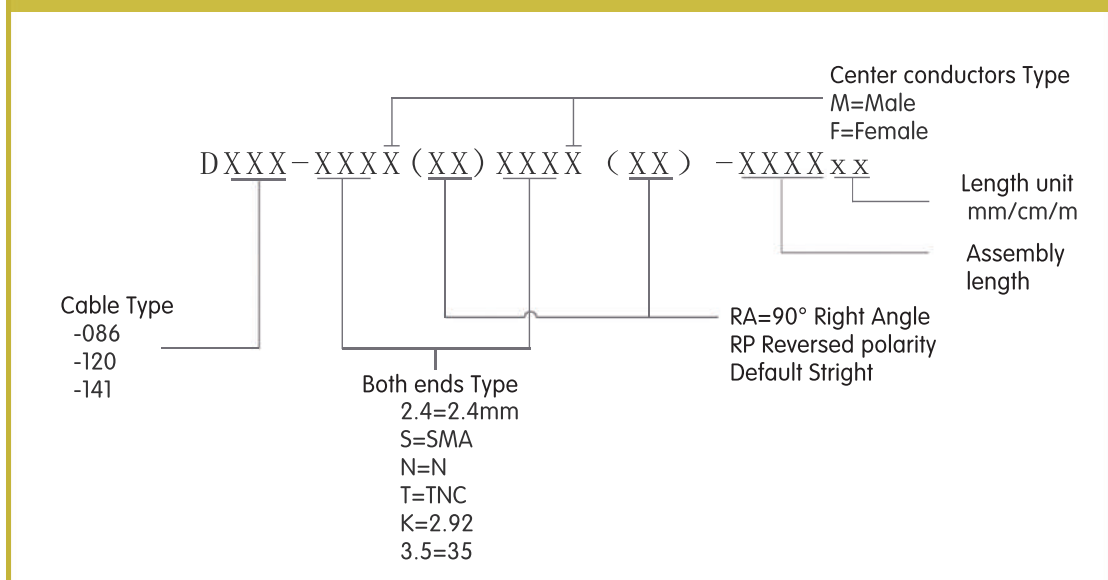
## Features

Connectors Selection Table

Connectors	D-086	D-120	D-141	Material	Connection mode	
					Center conductor	Outer conductor
1.85-Male	●			Stainless steel	Spring Finger	Solder
2.4-Male	●			Stainless steel	Solder	Solder
2.92-Male	●	●	●	Stainless steel	Solder	Solder
SMA-Male	●	●	●	Stainless steel	Solder	Solder
SMA-Female	●	●	●	Stainless steel	Solder	Solder
SMA-Male-RA				Stainless steel	Solder	Solder
N-Male	●	●		Stainless steel	Solder	Solder
N-Female				Stainless steel	Solder	Solder
TNC-Male				Stainless steel	Solder	Solder
TNC-Female			●	Stainless steel	Solder	Solder
SMP-Female		●		Beryllium	Solder	Solder

Notes: Please contact us if any request

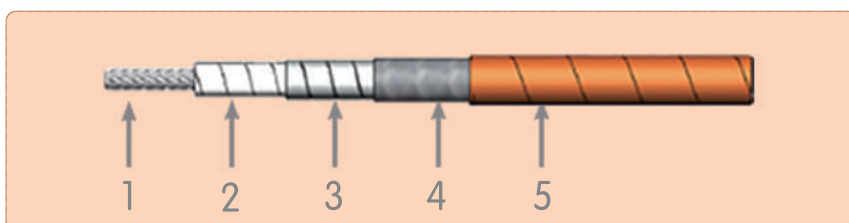
Cable Assemblies Code Rule



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## E series (Ultra flexible & Pendulous )

### Contruccion



1. Center conductor: Silver Plated Copper conductor
2. Dielectric: LD-PTFE Wrapping
3. Outer conductor: Silver plated copper tape wrapping
4. Innerlayer:PTFE Wrapping
5. Outer Shield: Silver Plated Copper braiding
6. Jacket: Orange PTFE wrapping/Dark blue PUR Jacket

### Parameter

Impedance:  $50 \Omega$

Temperature: PTFE Jacket  $-55^{\circ}\text{C} \sim +250^{\circ}\text{C}$

PUR Jacket  $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Time Delay:  $4.02 \text{ nS/m}$

Capacitance:  $80 \text{ pF/m}$

Inductance:  $0.31 \text{ uH/m}$

Shielding effectiveness:  $> 90 \text{ dB}$

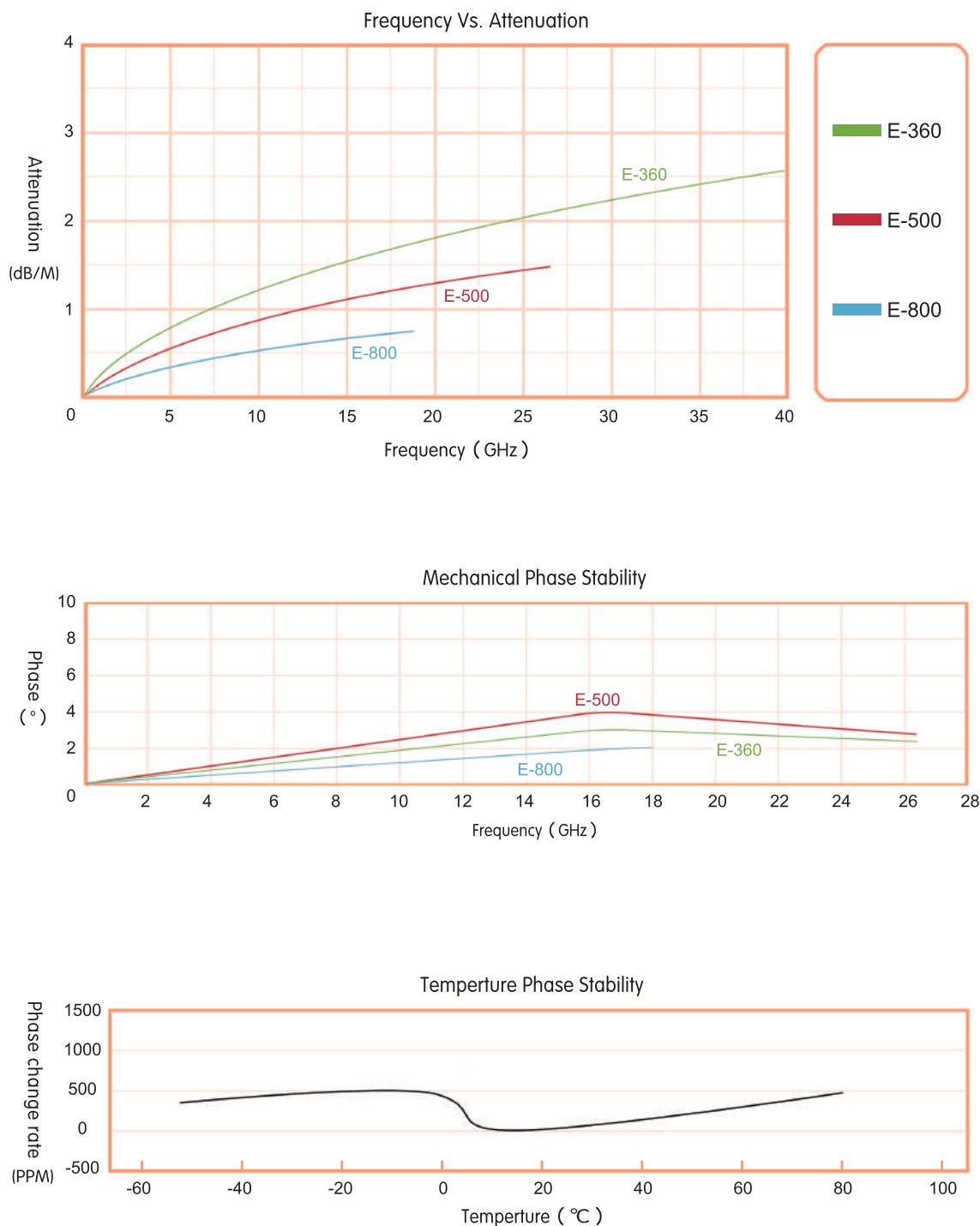
Dielectric constant: 1.45



## E series Specification (Ultra flexible & pendulous cable )

Type	E-360		E-500		E-800	
Size	mm		mm		mm	
Center conductor	0. 91		1. 45		2. 30	
Dielectric	2. 48		3. 75		6. 10	
Outer conductor	2. 72		3. 95		6. 38	
Innerlayer	2. 90		4. 35		6. 58	
Outer Shield	3. 30		4. 80		7. 15	
Jacket	3. 80		5. 20		7. 55	
	Mechanical Charactors					
Installation bend R (m m)	18. 00		25. 00		40. 00	
Repeated bend R (m m)	36. 00		52. 00		80. 00	
Weight	35g/m		50g/m		130g/m	
	Electric Charactors					
Cut-Off Frequency	46GHz		28GHz		20GHz	
Velocity of Propagation	83%		83%		83%	
Voltage Withstand	1000V, DC		1500V, DC		2000V, DC	
Peak power	2. 5kW		5. 6kW		10kW	
Attenuation Vs.Avg.Power	Attenuation ( +25℃ ) ; Power ( Typical@25℃&VSWR=1.0 ) &Power ( VSWR=1.0;40℃;Sea Level )					
Freq ( MHz )	dB/m	W	dB/m	W	dB/m	W
50	0. 091	1832	0. 062	3958	0. 042	8230
100	0. 127	1292	0. 088	2795	0. 059	5810
300	0. 223	740	0. 153	1608	0. 103	3341
1000	0. 414	399	0. 282	875	0. 190	1816
2200	0. 621	269	0. 432	592	0. 286	1227
2400	0. 650	257	0. 458	568	0. 297	1179
4000	0. 854	193	0. 573	431	0. 388	893
5800	1. 042	160	0. 694	356	0. 470	737
8000	1. 240	133	0. 821	301	0. 556	622
10000	1. 401	118	0. 922	268	0. 626	554
12000	1. 547	107	1. 015	244	0. 689	503
13500	1. 652	100	1. 079	229	0. 733	472
15000	1. 751	94	1. 141	217	0. 775	447
18000	1. 939	85	1. 256	197	0. 855	405
22000	2. 273	77	1. 396	178		
26500	2. 416	68	1. 544	160		
35000	2. 838	58				
40000	3. 068	54				
Other	Calculation Formula (dB/100m) = K1*sqrt(FMhz)+K2*FMhz					
K1	K1=1. 126570		K1=0. 715687		K1=0. 456380	
K2	K2=0. 0013435		K2=0. 000328		K2=0. 000328	

## Features



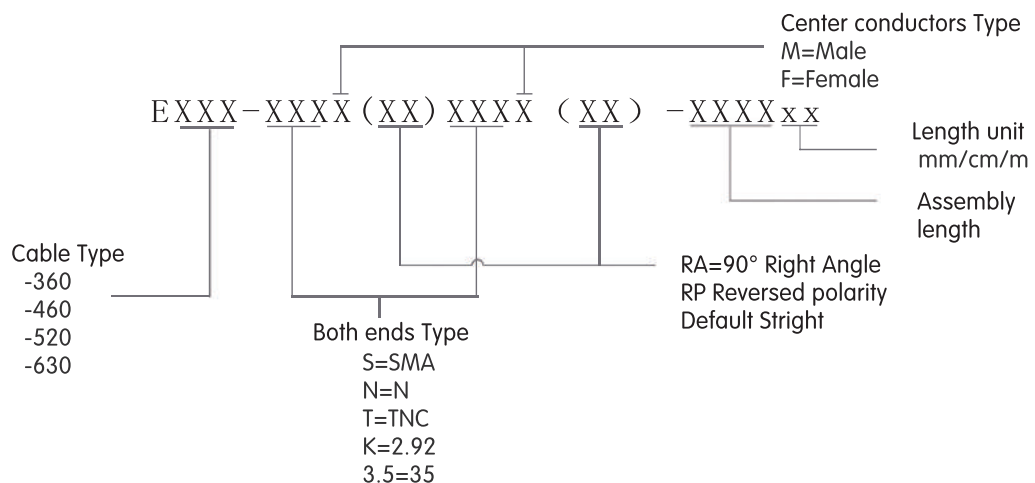
## Features

Connectors Selection Table

Connectors	E-360	E-500	E-800	Material	Connection mode	
					Center conductor	Outer conductor
2.4-Male	●			Stainless steel	Spring Finger	Solder
2.92-Male	●			Stainless steel	Solder	Solder
SMA-Male	●	●	●	Stainless steel	Solder	Solder
SMA-Female	●	●	●	Stainless steel	Solder	Solder
SMA-Male-RA		●	●	Stainless steel	Solder	Solder
N-Male		●	●	Stainless steel	Solder	Solder
N-Female	●			Stainless steel	Solder	Solder
N-Male-RA				Stainless steel	Solder	Solder
TNC-Male				Stainless steel	Solder	Solder
TNC-Female				Stainless steel	Solder	Solder
SMP-Female	●			Beryllium	Solder	Solder

Notes: Please contact us if any request

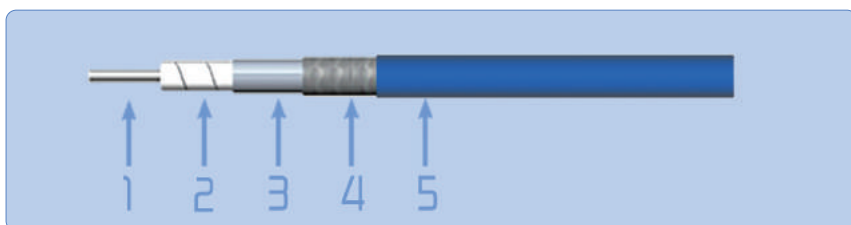
Cable Assemblies Code Rule



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## F series (Economical type)

### Construction



1. Center conductor: Silver Plated Copper
2. Dielectric: ND-PTFE Wrapping
3. Outer conductor: Al Tape
4. Outer Shield: Silver Plated Copper
5. Jacket: Blue FEP

### Parameter

Impedance:  $50\ \Omega$   
 Temperature:  $-55^{\circ}\text{C} \sim +165^{\circ}\text{C}$   
 Time Delay:  $4.39\text{nS/m}$   
 Capacitance:  $88\text{pF/m}$   
 Inductance:  $0.22\mu\text{H/m}$   
 Shielding effectiveness:  $>90\text{dB}$   
 Dielectric constant: 1.73



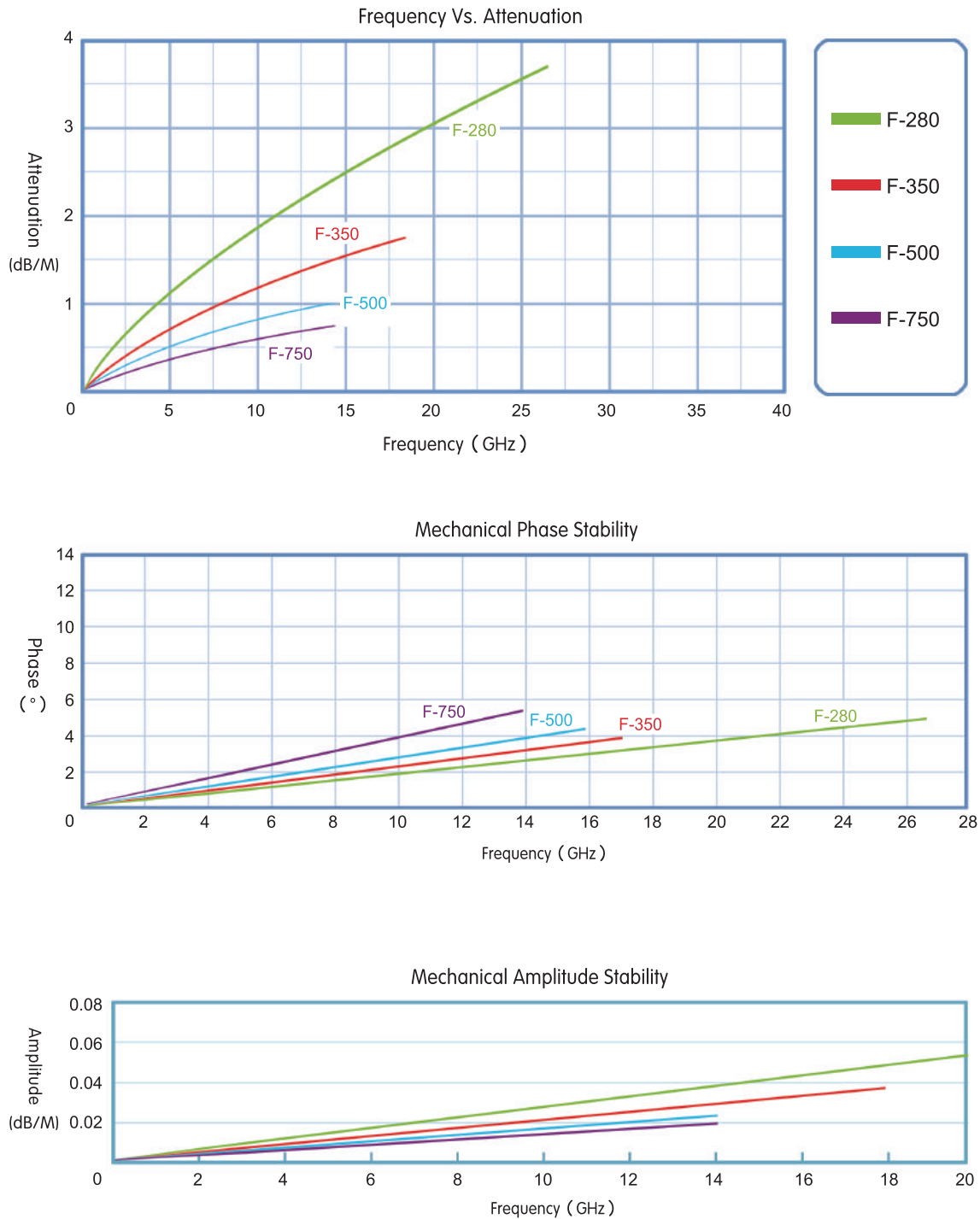


## F series Specification (Economical type )

Type	F-280		F-350		F-500		F-750	
Size	mm		mm		mm		mm	
Center conductor	0. 56		0. 94		1. 45		2. 30	
Dielectric	1. 67		2. 75		4. 30		6. 80	
Outer conductor	1. 83		2. 80		4. 38		6. 88	
Outer Shield	2. 20		3. 20		4. 78		7. 33	
Jacket	2. 80		3. 50		5. 20		7. 80	
	Mechanical Charactors							
Installation bend R ( m m )	12. 00		14. 00		20. 50		32. 00	
Repeated bend R ( m m )	28. 00		35. 00		52. 00		78. 00	
Weight	18g / m		29g / m		60g / m		110g / m	
	Electric Charactors							
Cut-Off Frequency	30GHz		26. 5GHz		18GHz		15GHz	
Velocity of Propagation	76%		76%		76%		76%	
Voltage Withstand	500VDC		800VDC		1500VDC		2000DC	
Peak power	0. 6kW		1. 6kW		5. 6kW		10kW	
Attenuation Vs. Avg.Power	Attenuation ( +25℃ ) ； Power ( Typical@25℃&VSWR=1.0 ) &Power ( VSWR=1.0;40℃;Sea Level )							
Freq ( MHz )	dB / m	W	dB / m	W	dB / m	W	dB / m	W
50	0. 131	465	0. 085	2098	0. 051	3552	0. 032	7850
100	0. 186	327	0. 120	1480	0. 073	2500	0. 046	5519
300	0. 325	187	0. 209	850	0. 128	1428	0. 080	3141
1000	0. 607	100	0. 386	461	0. 238	766	0. 151	1674
2200	0. 920	66	0. 578	307	0. 361	505	0. 230	1097
2400	0. 964	63	0. 605	294	0. 378	482	0. 241	1046
4000	1. 269	48	0. 789	225	0. 498	366	0. 319	790
5800	1. 556	39	0. 959	185	0. 610	299	0. 393	641
8000	1. 861	33	1. 136	156	0. 729	250	0. 473	534
10000	2. 110	29	1. 280	139	0. 827	220	0. 538	469
12000	2. 341	26	1. 411	126	0. 917	199	0. 599	421
13500	2. 504	24	1. 504	118	0. 971	186	0. 642	393
15000	2. 661	23	1. 592	112				
18000	2. 959	21	1. 757	101				
22000	3. 330	18						
26500	3. 721	16						
Other	Calculation Formula (dB/100m) = K1*sqrt(FMhz)+K2*FMhz							
K1	K1=1. 8300000		K1=1. 1918394		K1=0. 7180000		K1=0. 4480000	
K2	K2=0. 0028000		K2=0. 0008800		K2=0. 0010880		K2=0. 0008980	



## Features



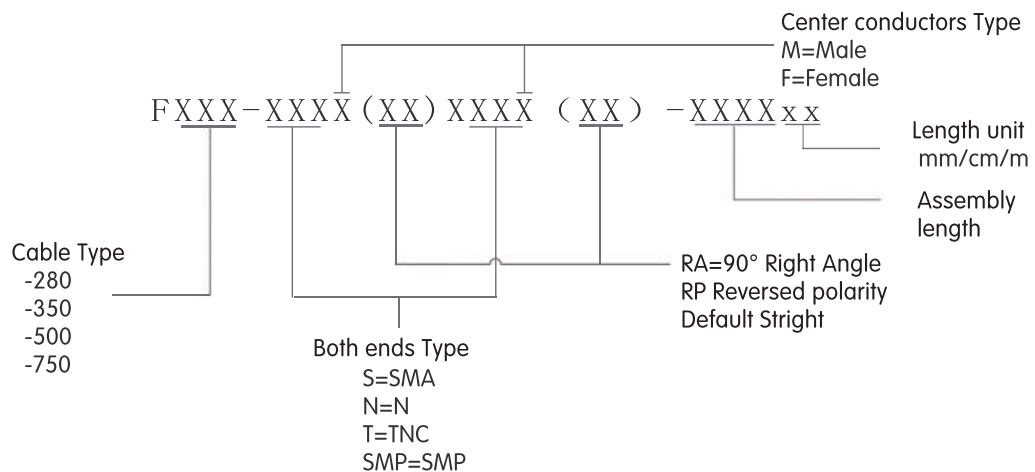
## Features

Connectors Selection Table

Connectors	F-280	F-350	F-500	F-750	Material	Connection mode	
						Center conductor	Outer conductor
2.92-Male					Stainless steel	Spring Finger	Solder
3.5-Female					Stainless steel	Solder	Solder
SMA-Male	●	●	●	●	Stainless steel	Solder	Solder
SMA-Female	●	●	●	●	Stainless steel	Solder	Solder
SMA-Male-RA	●	●	●		Stainless steel	Solder	Solder
N-Male	●	●	●	●	Stainless steel	Solder	Solder
N-Female		●		●	Stainless steel	Solder	Solder
N-Male-RA					Stainless steel	Solder	Solder
TNC-Male	●		●	●	Stainless steel	Solder	Solder
TNC-Female					Stainless steel	Solder	Solder
SMP-Female					Beryllium	Solder	Solder

Notes: Please contact us if any request

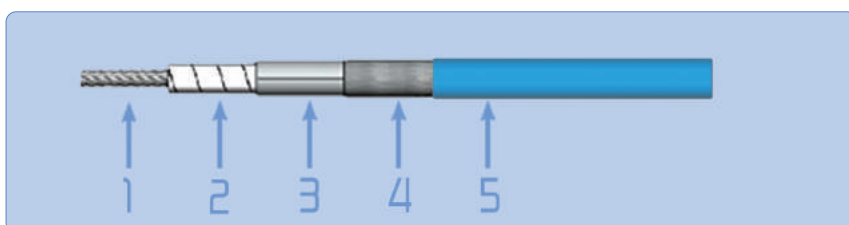
Cable Assemblies Code Rule



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## G series (Flexible and economical)

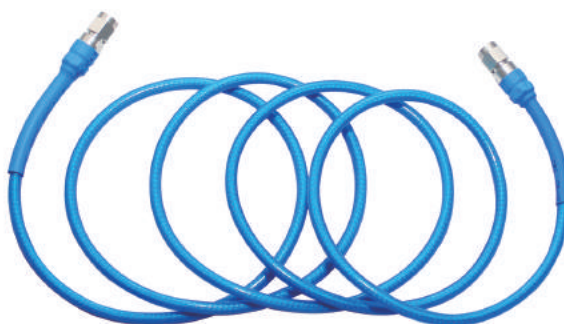
### Construction



1. Center conductor: Stranded Silver Plated Copper conductor
2. Dielectric: ND-PTFE Wrapping
3. Outer conductor: Al Tape
4. Outer Shield: Silver Plated Copper
5. Jacket: Blue FEP or black FEP

### Parameter

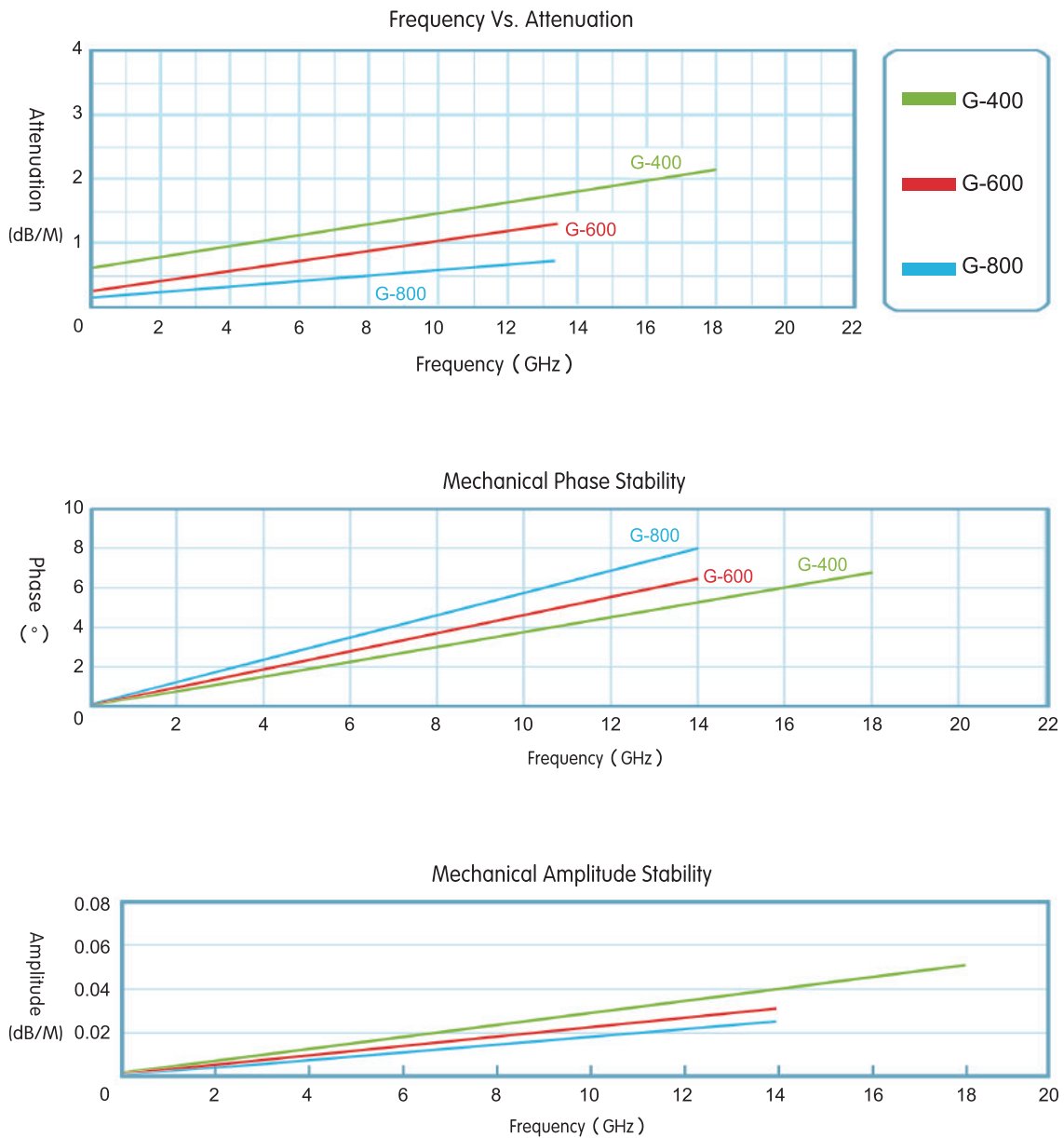
Impedance:  $50\ \Omega$   
 Temperature:  $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$   
 Time Delay:  $4.39\ \text{nS/m}$   
 Capacitance:  $88\ \text{pF/m}$   
 Inductance:  $0.22\ \mu\text{H/m}$   
 Shielding effectiveness:  $> 90\ \text{dB}$   
 Dielectric constant: 1.73



## G series Specification (Flexible and economical type )

Type	G-400		G-600		G-850	
Size	mm		mm		mm	
Center conductor	0. 91		1. 45		2. 30	
Dielectric	2. 55		4. 20		6. 60	
Outer conductor	2. 65		4. 28		6. 68	
Outer Shield	3. 05		4. 73		7. 13	
Jacket	4. 00		6. 00		8. 20	
	Mechanical Characters					
Installation bend R (m m)	16. 00		20. 00		35. 00	
Repeated bend R (m m)	40. 00		60. 00		82. 00	
Weight	30g/m		60g/m		110g/m	
	Electric Characters					
Cut-Off Frequency	26. 5GHz		18GHz		15GHz	
Velocity of Propagation	76%		76%		76%	
Voltage Withstand	800V, DC		1500V, DC		2000V, DC	
Peak power	1. 6kW		5. 6kW		10kW	
Attenuation Vs. Avg.Power	Attenuation ( +25℃ ) ; Power ( Typical@25℃&VSWR=1.0 ) &Power ( VSWR=1.0;40℃;Sea Level )					
Freq ( MHz )	dB/m	W	dB/m	W	dB/m	W
50	0. 097	1383	0. 052	2366	0. 039	5278
100	0. 138	971	0. 074	1654	0. 055	3725
300	0. 243	550	0. 131	928	0. 095	2141
1000	0. 460	291	0. 253	482	0. 175	1163
2400	0. 739	183	0. 416	357	0. 274	886
4000	0. 991	135	0. 564	216	0. 356	571
5800	1. 227	109	0. 707	182	0. 432	493
8000	1. 485	90	0. 865	141	0. 511	398
10000	1. 698	79	0. 998	122	0. 575	353
12000	1. 898	71	1. 124	108	0. 633	321
13500	2. 045	66	1. 214	100	0. 674	301
15000	2. 178	61				
18000	2. 441	55				
Other	Calculation Formula (dB/100m) = K1*sqrt(FMhz)+K2*FMhz					
K1	K1=1. 343741		K1=0. 708000		K1=0. 542179	
K2	K2=0. 003550		K2=0. 002900		K2=0. 000328	

# Features



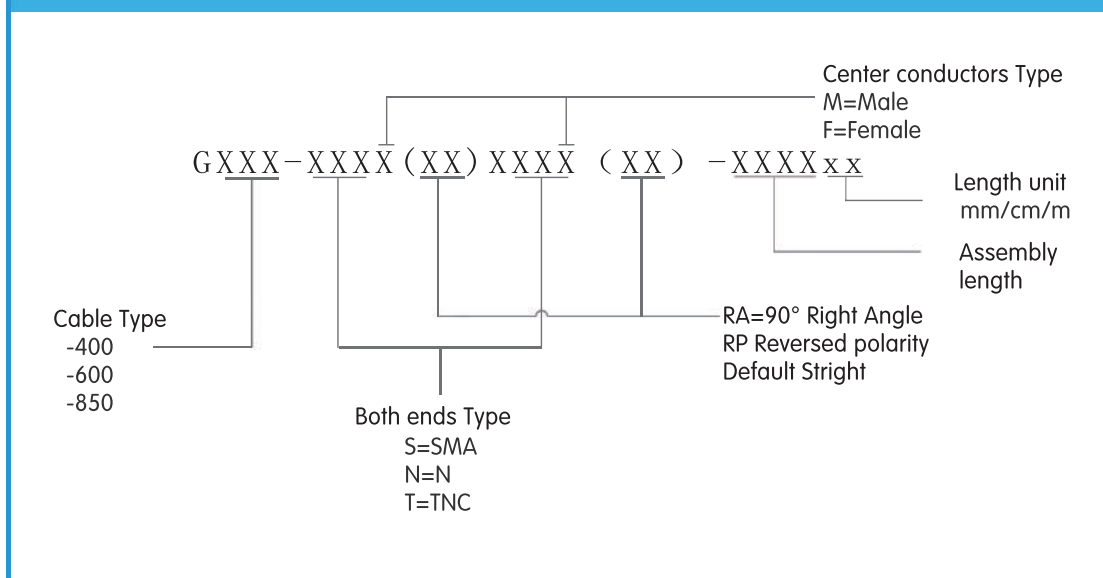
## Features

Connectors Selection Table

Connectors	G-400	G-600	G-850	Material	Connection mode	
					Center conductor	Outer conductor
2.4-Male				Stainless steel	Spring Finger	Solder
2.92-Male				Stainless steel	Spring Finger	Solder
SMA-Male	●	●	●	Stainless steel	Solder	Solder
SMA-Female	●	●		Stainless steel	Solder	Solder
SMA-Male-RA	●	●	●	Stainless steel	Solder	Solder
N-Male		●	●	Stainless steel	Solder	Solder
N-Female				Stainless steel	Solder	Solder
N-Male-RA				Stainless steel	Solder	Solder
TNC-Male				Stainless steel	Solder	Solder
TNC-Female				Stainless steel	Solder	Solder
SMP-Female				Beryllium	Solder	Solder

Notes: Please contact us if any request

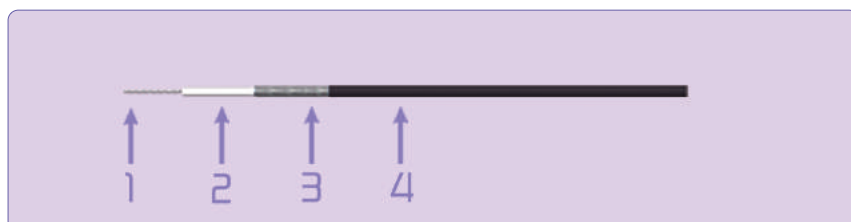
Cable Assemblies Code Rule



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## MiniHigh series (Micro-coax cable)

### Construction



1. Center conductor: Stranded Silver Plated Copper conductor
2. Dielectric: AL-PTFE
3. Outer Shield: Silver Plated Copper
4. Jacket: Black FEP

### Parameter

Impedance:  $50\ \Omega$   
 Temperature:  $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$   
 Time Delay:  $4.72\ \text{nS/m}$   
 Capacitance:  $95\ \text{pF/m}$   
 Inductance:  $0.59\ \mu\text{H/m}$   
 Shielding effectiveness:  $> 70\ \text{dB}$   
 Dielectric constant: 2.04

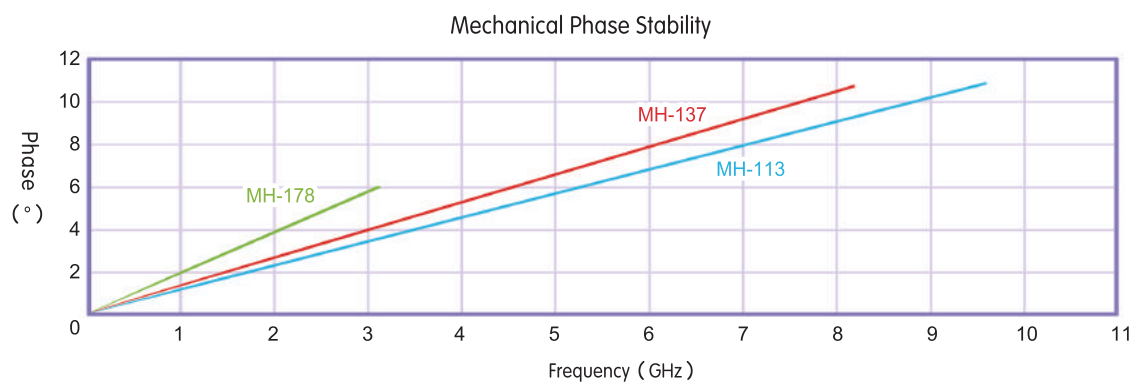
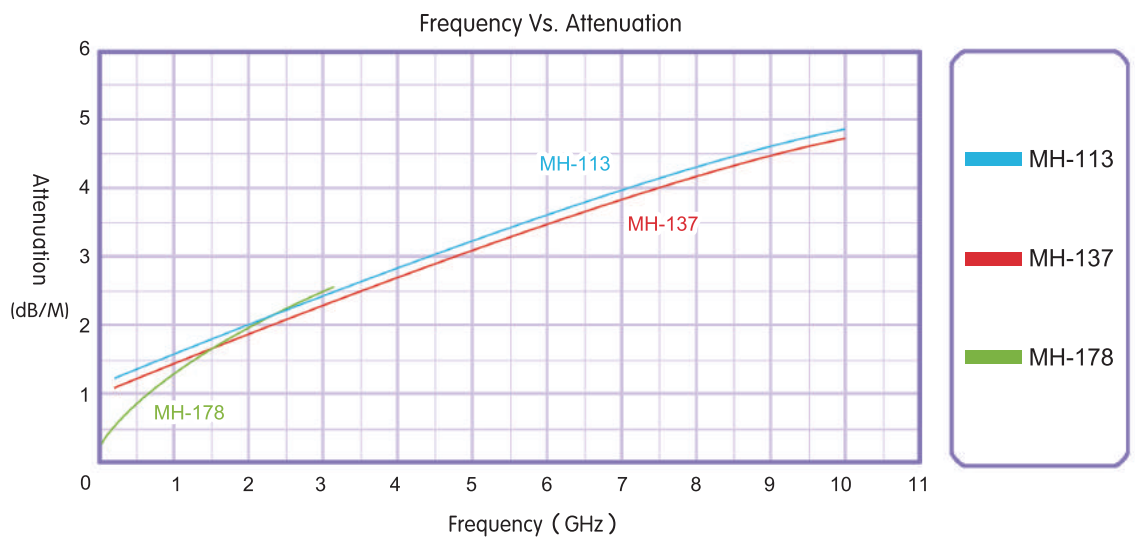




## MiniHigh series Specification (Micro-coax cable )

Type	MH-113		MH-137		MH-178	
Size	mm		mm		mm	
Center conductor	0. 30		0. 31		0. 31	
Dielectric	0. 78		0. 85		0. 82	
Outer Shield	1. 03		1. 14		1. 35	
Jacket	1. 13		1. 37		1. 84	
	Mechanical Charactors					
Installation bend R (m m)	6. 00		7. 00		9. 00	
Repeated bend R (m m)	12. 00		14. 00		18. 00	
Weight	3. 5g/m		5g/m		6. 5g/m	
	Electric Charactors					
Cut-Off Frequency	12GHz		12GHz		3GHz	
Velocity of Propagation	76%		70%		70%	
Voltage Withstand	150V, DC		230V, DC		320V DC	
Peak power	0. 2kW		0. 45kW		0. 65kW	
Attenuation Vs.Avg.Power	Attenuation ( +25℃ ) ; Power ( Typical@25℃&VSWR=1.0 ) &Power ( VSWR=1.0;40℃;Sea Level )					
Freq ( MHz )	dB/m	W	dB/m	W	dB/m	W
200	1. 463	95	1. 313	110	0. 664	135
400	1. 512	92	1. 362	106	0. 975	92
600	1. 531	91	1. 381	105	1. 223	73
1000	1. 570	89	1. 420	102	1. 628	55
1600	2. 120	66	1. 970	73	2. 135	42
2200	2. 311	60	2. 161	67	2. 577	35
2400	2. 400	58	2. 250	64	2. 714	38
3000	2. 750	51	2. 600	56	3. 105	34
3600	2. 872	48	2. 722	53		
4000	3. 210	43	3. 060	47		
5000	3. 583	39	3. 433	42		
5800	3. 838	36	3. 688	39		
6200	4. 127	34	3. 977	36		
7000	4. 487	31	4. 337	33		
8000	4. 892	28	4. 742	30		
9000	5. 348	26	5. 198	28		
10000	5. 722	24	5. 572	26		
12000	6. 489	21	6. 339	23		

## Features



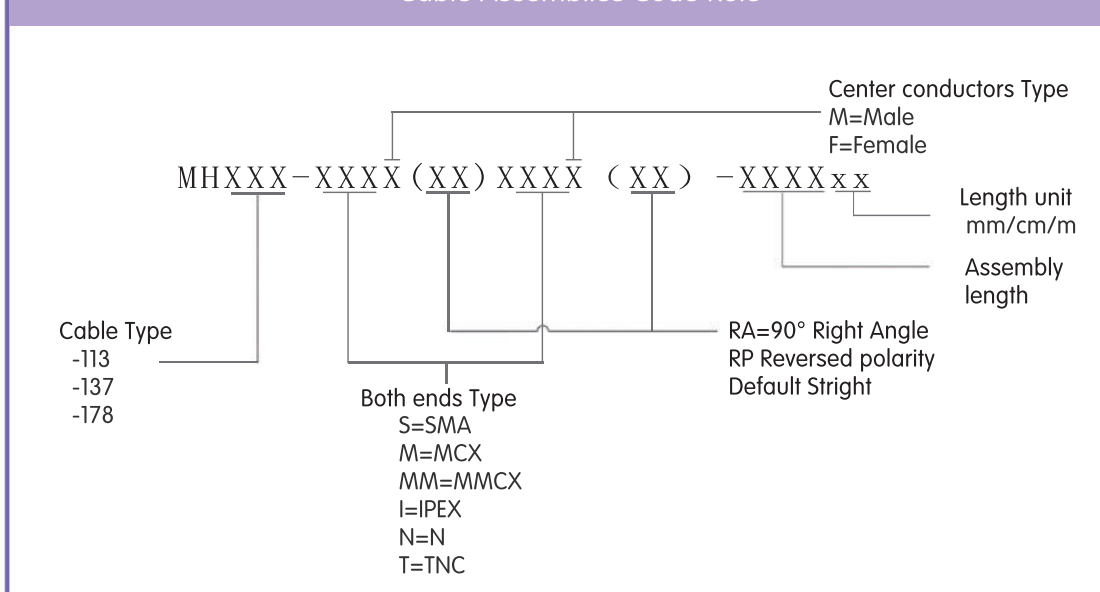
## Features

Connectors Selection Table

Connectors	MH-113	MH-137	MH-178	Material	Connection mode	
					Center conductor	Outer conductor
SMA-Male		●	●	Orichalum plating	Solder	Solder
SMA-Female			●	Orichalum plating	Solder	Solder
SMA-Male-RA			●	Orichalum plating	Solder	Solder
MCX-Male	●	●	●	Orichalum plating	Solder	Solder
MCX-Male-RA	●	●	●	Orichalum plating	Solder	Solder
MMCX-Male	●	●	●	Orichalum plating	Solder	Solder
MMCX-Male-RA	●	●	●	Orichalum plating	Solder	Solder
IPEX Series	●	●	●	Orichalum plating	Clamp	Clamp
N-Male			●	Nickel plated brass	Solder	Solder
TNC-Male			●	Nickel plated brass	Solder	Solder
SSMB-Male			●	Orichalum plating	Solder	Solder
SSMB-Female			●	Orichalum plating	Solder	Solder
BMA-Male			●	316L Stainless steel	Solder	Solder
BMA-Female			●	316L Stainless steel	Solder	Solder
BNC-Male			●	Nickel plated brass	Solder	Solder

Notes: Please contact us if any request

Cable Assemblies Code Rule



ANYARC'  
ARMOR  
WITH TEST CABLE

## AccuTest (High precision & phase stable)

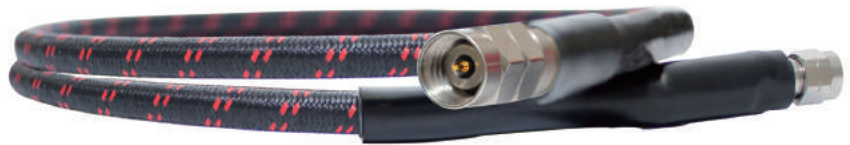


High accuracy, ensures the testing result close to the true value.

Ordinal Insertion loss stability, Ordinal mechanical phase stability

High reliability, making sure multiple metering consistency under the same circumstances

Antitorque & Resist compression, super soft to protect the interfaces of precisor



### Application

- > VNA network analyzer, Radio Frequency, Microwave testing instrument
- > ATE testing system, large scale production line testing
- > Radio Frequency modules, devices and system interconnection systems
- > Suitable for production test of optoelectronic modules
- > Testing in lab or operations on spot
- > Meeting testing needs with close-joined interfaces

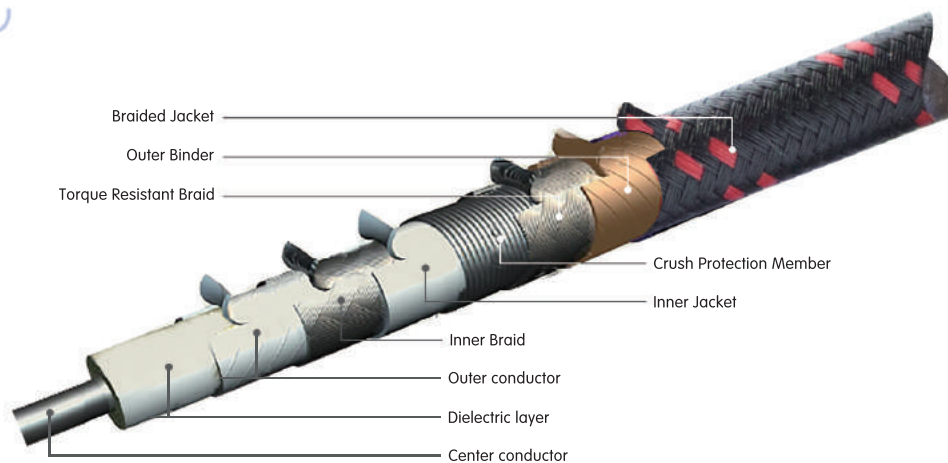


## AccuTest Specification

Type	AT-**		
Frequency	67GHz	50GHz	40GHz
TPFE OD of armor (mm)	6.1	6.1	6.1
Connector	1.85	2.4	2.92
Connector max OD (mm)	9.8	9.8	9.8
Compressive strength of armor	100N/25mm	100N/25mm	100N/25mm
Bending radius of armor (mm)	25.00	25.00	25.00
Connectors retention force	>175lbs	>175lbs	>175lbs
Matched cycles	>10000	>10000	>10000
Length tolerance	+10mm@1m	+10mm@1m	+10mm@1m
Temperature	-55℃+165℃	-55℃+165℃	-55℃+165℃
	Electrical charactor		
Impedance	50 (Ω)	50 (Ω)	50 (Ω)
SWR	< 1.4	< 1.35	< 1.30
IL (1m)	< 7.12dB	< 4.00dB	< 2.93dB
Power (W)	35	50	61

Note: The part of "" in the model is the cut-off frequency of this product,for example: AccuTest-67, it means this model is a "67GHz" test cable.

## Construction



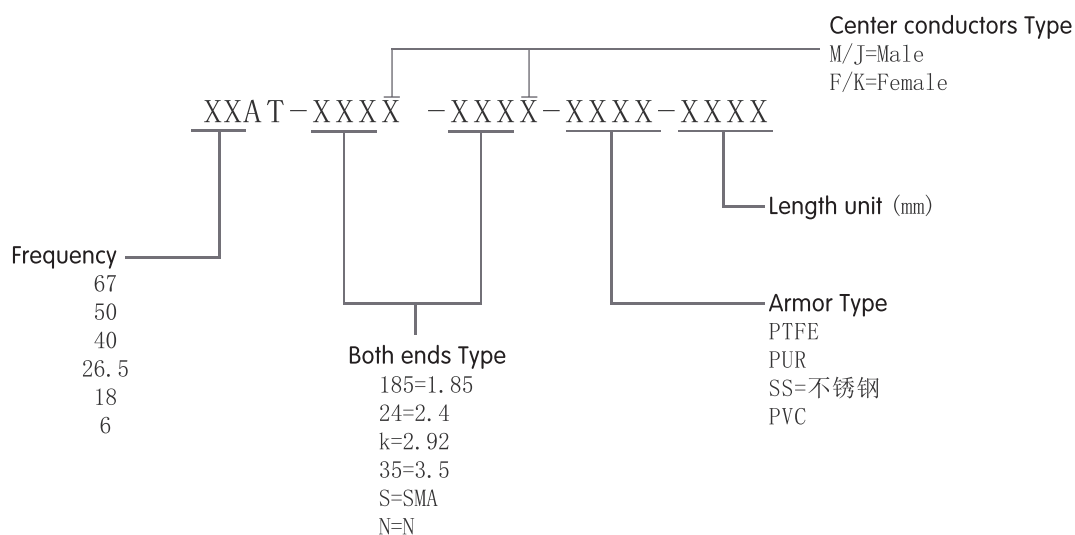
## AccuTest Specification

Type	AT-**		
Frequency	26.5GHz	18GHz	6GHz
TPFE OD of armor (mm)	7.6	7.6	7.6
PUR OD of armor (mm)	10.3	10.3	10.3
Stainless OD of armor (mm)	8.4	8.4	8.4
PVC OD of armor (mm)	11.0	11.0	11.0
Connector	3.5	SMA/N	SMA/N/TNC
Connector max OD (mm)	10.4	22.1-N	22.1-N
Bending radius of armor (mm)	50.00	50.00	50.00
Connectors retention force	>175lbs	>175lbs	>175lbs
Matched cycles	>10000	>10000	>10000
Length tolerance	+10mm@1m	+10mm@1m	+10mm@1m
Temperature	-55℃+165℃	-55℃+165℃	-55℃+165℃
Electrical charactor			
Impedance	50 (Ω)	50 (Ω)	50 (Ω)
SWR	< 1.25	< 1.20	< 1.15
IL (1m)	< 1.55dB	< 1.10dB	< 0.71dB
Power (W)	160	197	720

Note: The part of "\*" in the model is the cut-off frequency of this product, for example: AccuTest-18, it means this model is a "18GHz" test cable.

Notes: Please contact us if any request

### Cable Assemblies Code Rule



## DuraTest (Durable & Affordable)



dustproof/waterproof/moistureproof/oilproof/rodent-proof/Ultrastrong protection  
Antitorque/Resist compression/Tensile/Antiwear/Anti violence/Ultrastrong retaining force

Excellent stability in the mechanical phase & temperature phase & Insertion loss vs vibration

It could meet the test requirements and achieve the best of price and performance combinatic



### Application

- > Working environment of remove frequently & take-up and pay-off frequently
- > pull & drag frequently and tread frequently
- > through-wall & suspended type and high temperature source
- > intermodulation use of outdoors abominable environmental conditions

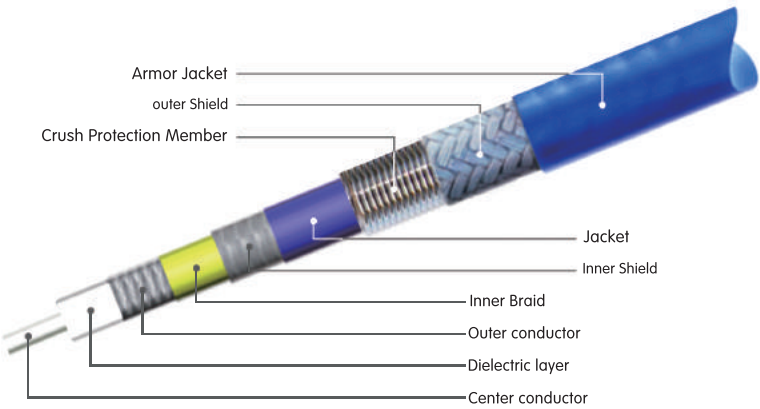


DuraTest Specification

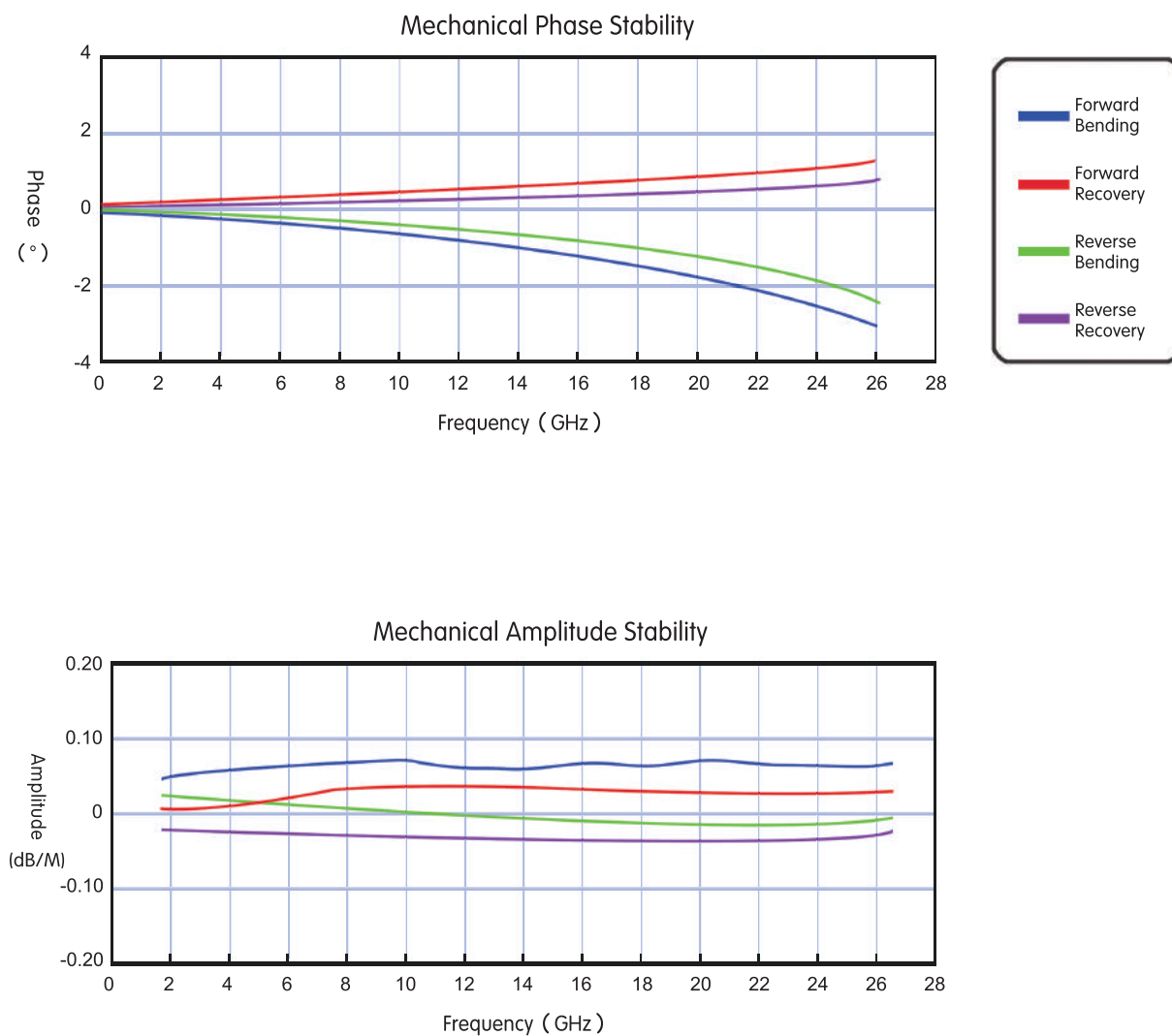
Type	DuraTest-**			
Size	mm			
Outer diameter of armor	10.8			
Max Outside Diameter	13.2			
Compressive strength of armor	200N/25mm			
Bending radius of armor	25.00			
Connectors retention force	>175lbs			
Matched cycles	>5000次			
Length tolerance	≤1m, +20mm,-0; ≥1m, +2%, -0			
Temperature	Conventional heat shrinkable tube +105℃			
	High temperature shrinkable tube +200℃			
	Electrical Specifications			
		26.5GHz	18GHz	6GHz
SWR	N	<1.25	<1.25	<1.15
	SMA/3.5	<1.30	<1.25	<1.10
Impedance	50 Ω			
Shielding effectiveness	>100 dB			
	Attenuation(Typical @ 25℃) ; Power(VSWR=1.0;40℃;Sea Level)			
frequency ( GHz )		dB/m	W	
26.5		2.904	65	
18		2.242	88	
6		1.122	180	

Note: The part of “\*” in the model is the cut-off frequency of this product,for example: DuraTest-26, it means this model is a “26.5GHz” test cable.

Construction



## DuraTest Features



## ARMOR SELECTION

### PTFE ARMOR



- > High strength, high temperature resistance and structural stability
- > ARMOR internal diameter 4.0mm-11.8mm
- > Bending 30000 cycles

### PUR ARMOR



- > Ultra flexible, Easy To Use
- > ARMOR internal diameter 3mm-12mm
- > Bending 20000 cycles

### STAINLESS STEEL ARMOR



- > High compression, can adapt to bad outdoor environment
- > ARMOR internal diameter 3.2mm-12.5mm
- > Bending 30000 cycles

### PVC ARMOR



- > Waterproof and corrosion resistance
- > ARMOR internal diameter 6mm-12mm
- > Bending 30000 cycles

## Adapter (—)

SN	connector	type	frequency ( GHz )	VSWR
1	1.85-1.85	1.85-JJ	67	1.25
2		1.85-KK	67	1.25
3		1.85-JK	67	1.25
4	1.85-2.4	1.85/2.4-JJ	50	1.15
5		1.85/2.4-KK	50	1.15
6		1.85/2.4-JK	50	1.15
7		1.85/2.4-KJ	50	1.15
8	1.85-2.92	1.85/2.92-JJ	40	1.12
9		1.85/2.92-KK	40	1.12
10		1.85/2.92-JK	40	1.12
11		1.85/2.92-KJ	40	1.12
12	1.85-3.5	1.85/3.5-JJ	26.5	1.12
13		1.85/3.5-KK	26.5	1.12
14		1.85/3.5-JK	26.5	1.12
15		1.85/3.5-KJ	26.5	1.12
16	1.85-SSMA	1.85/SSMA-JJ	40	1.12
17		1.85/SSMA-KK	40	1.12
18		1.85/SSMA-JK	40	1.12
19		1.85/SSMA-KJ	40	1.12
20	2.4-2.4	2.4-JJ	50	1.15
21		2.4-KK	50	1.15
22		2.4-JK	50	1.15
23	2.4-SSMA	2.4/SSMA-JJ	40	1.12
24		2.4/SSMA-KK	40	1.12
25		2.4/SSMA-JK	40	1.12
26		2.4/SSMA-KJ	40	1.12
27	2.4-SMP	2.4/SMP-JJ	40	1.25
28		2.4/SMP-KK	40	1.25
29		2.4/SMP-JK	40	1.25
30		2.4/SMP-KJ	40	1.25
31	2.4-SSMP	2.4/SSMP-JJ	40	1.20
32		2.4/SSMP-KK	40	1.20
33		2.4/SSMP-JK	40	1.20
34		2.4/SSMP-KJ	40	1.20
35	2.4-2.92	2.4/2.92-JJ	40	1.12
36		2.4/2.92-KK	40	1.12
37		2.4/2.92-JK	40	1.12
38		2.4/2.92-KJ	40	1.12

## Adapter (二)

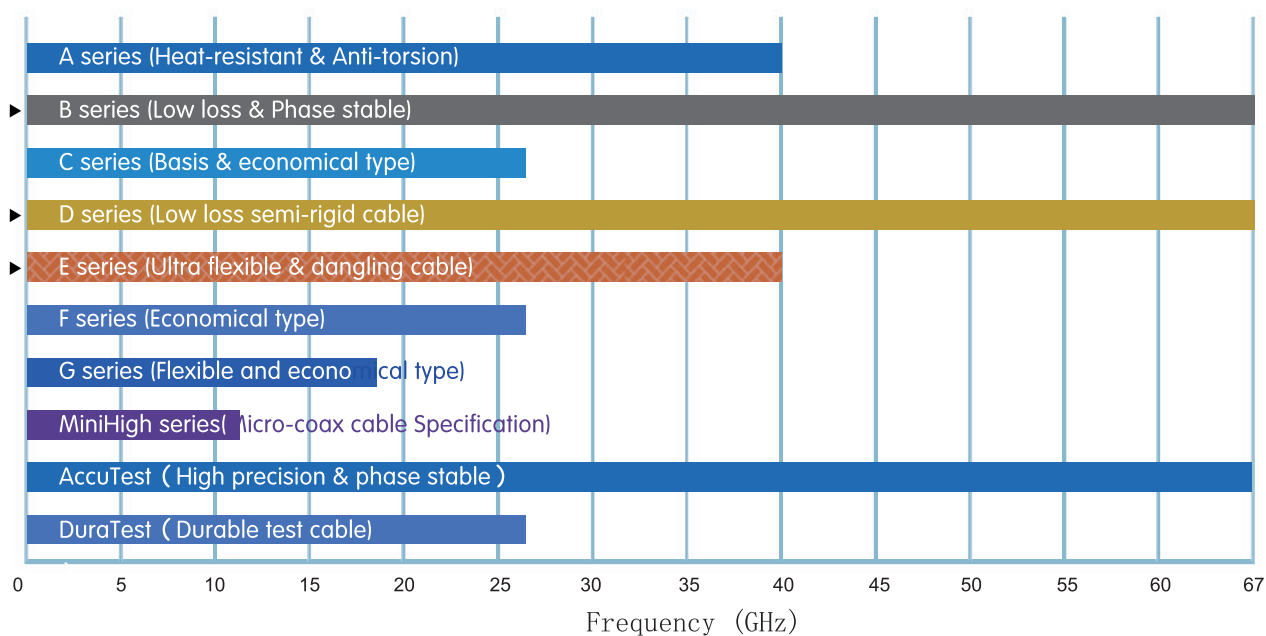
SN	connector	type	frequency ( GHz )	VSWR
39	2.4-3.5	2.4/3.5-JJ	26.5	1.12
40		2.4/3.5-KK	26.5	1.12
41		2.4/3.5-JK	26.5	1.12
42		2.4/3.5-KJ	26.5	1.12
43	2.4-N	2.4/N-JJ	18	1.10
44		2.4/N-KK	18	1.10
45		2.4/N-JK	18	1.10
46		2.4/N-KJ	18	1.10
47	2.92-2.92	2.92/2.92-JJ	40	1.12
48		2.92/2.92-KK	40	1.12
49		2.92/2.92-JK	40	1.12
50	2.92-N	2.92/N-JJ	18	1.10
51		2.92/N--KK	18	1.10
52		2.92/N--JK	18	1.10
53		2.92/N--KJ	18	1.10
54	2.92-3.5	2.92/3.5-JJ	26.5	1.12
55		2.92/3.5-KK	26.5	1.12
56		2.92/3.5-JK	26.5	1.12
57		2.92/3.5-KJ	26.5	1.12
58	2.92-SSMA	2.92/SSMA-JJ	40	1.12
59		2.92/SSMA-KK	40	1.12
60		2.92/SSMA-JK	40	1.12
61		2.92/SSMA-KJ	40	1.12
62	2.92-SMP	2.92/SMP-JJ	40	1.25
63		2.92/SMP-KK	40	1.25
64		2.92/SMP-JK	40	1.25
65		2.92/SMP-KJ	40	1.25
66	2.92-SSMP	2.92/SSMP-JJ	40	1.20
67		2.92/SSMP-KK	40	1.20
68		2.92/SSMP-JK	40	1.20
69		2.92/SSMP-KJ	40	1.20
70	3.5-3.5	3.5/3.5-JJ	26.5	1.12
71		3.5/3.5-KK	26.5	1.12
72		3.5/3.5-JK	26.5	1.12
73	3.5-N	3.5/N-JJ	18	1.10
74		3.5/N-KK	18	1.10
75		3.5/N-JK	18	1.10
76		3.5/N-KJ	18	1.10

## Adapter (三)

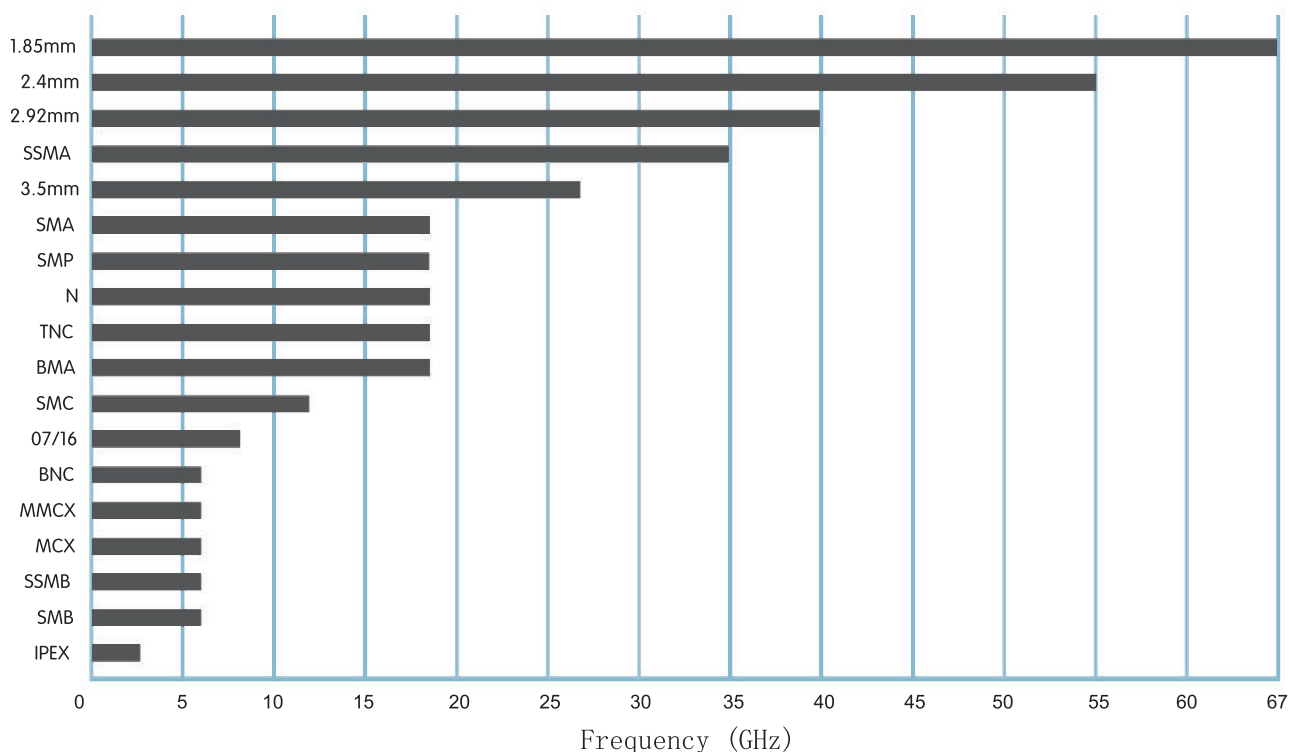
SN	connector	type	frequency ( GHz )	VSWR
77	3.5-SSMA	3.5/SSMA-JJ	26.5	1.12
78		3.5/SSMA-KK	26.5	1.12
79		3.5/SSMA-JK	26.5	1.12
80		3.5/SSMA-KJ	26.5	1.12
81	3.5-SMP	3.5/SMP-JJ	26.5	1.20
82		3.5/SMP-KK	26.5	1.20
83		3.5/SMP-JK	26.5	1.20
84		3.5/SMP-KJ	26.5	1.20
85	3.5-BMA	3.5/BMA-JJ	18	1.10
86		3.5/BMA-KK	18	1.10
87		3.5/BMA-JK	18	1.10
88		3.5/BMA-KJ	18	1.10
89	3.5-SBMA	3.5/SBMA-JJ	18	1.10
90		3.5/SBMA-KK	18	1.10
91		3.5/SBMA-JK	18	1.10
92		3.5/SBMA-KJ	18	1.10
93	SMA-SMA	SMA/SMA-JJ	18	1.10
94		SMA/SMA-KK	18	1.10
95		SMA/SMA-JK	18	1.10
96	SMA-IPX	SMA/IPX1-JJ	6	1.15
97		SMA/IPX2-JJ	6	1.15
98		SMA/IPX3-JJ	6	1.15
99		SMA/IPX4-JJ	6	1.15
100		SMA/IPX5-JJ	6	1.15
101	SMA-N	SMA/N-JJ	18	1.12
102		SMA/N-KK	18	1.12
103		SMA/N-JK	18	1.12
104		SMA/N-KJ	18	1.12
105	SMA-TNC	SMA/TNC-JJ	15	1.15
106		SMA/TNC-KK	15	1.15
107		SMA/TNC-JK	15	1.15
108	SMA-BNC	SMA/BNC-JJ	6	1.10
109		SMA/BNC-KK	6	1.10
110		SMA/BNC-JK	6	1.10
111	SMA快插	SMA-KJ	18	1.10
112				
113				
114				

## Cable & Connectors Usable Frequency

### Cable Usable Frequency



### Connectors Usable Frequency





## VSWR &amp; RL

VSWR (:1)	RL (dB)
1.01	46.06
1.02	40.09
1.03	38.61
1.04	34.15
1.05	32.26
1.06	30.71
1.07	27.42
1.08	28.30
1.09	27.32
1.10	26.44
1.12	24.94
1.14	24.69
1.16	22.61
1.18	21.66
1.20	20.83
1.22	20.08
1.25	19.08

VSWR (:1)	RL (dB)
1.28	18.22
1.30	17.69
1.33	16.98
1.35	16.54
1.38	15.94
1.40	15.56
1.45	14.72

## Wave band information table

Frequency range	Wavelength	Alphabetize	Metric length representation
3-30MHz	100-10m	HF	Ten meter wave
30-300MHz	10-1m	VHF	Rice wave
30-1000MHz	100-30cm	UHF	Decimeter wave
1-2GHz	30-15cm	L	Decimeter wave
2-4GHz	15-7cm	S	Decimeter wave
4-8GHz	7-4cm	C	Centimetre wave
8-12GHz	4-2.5cm	X	Centimetre wave
12-18GHz	2.5-1.7cm	Ku	Centimetre wave
18-27GHz	1.7-1cm	K	Centimetre wave
27-40GHz	10-7.5mm	Ka	Millimeter wave
40-75GHz	7.5-4mm	V	Millimeter wave
75-110GHz	4-2.7mm	W	Millimeter wave

## Cable Insulation Material Characteristics

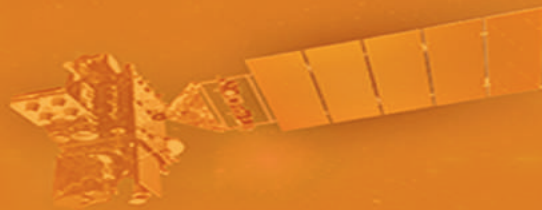
Material	Dielectric constant	Capacitance	Temperature°C
PTFE	2.07	95.9	-75 to +250
Polyethylene	2.3	101.1	-65 to +80
Foam Polyethylene	1.29-1.64	75.72-85.38	-65 to +100
Polyvinylchloride	3.0-8.0	115.47-188.56	-50 to +105
Polyamide	3.5-4.6	124.72-254.73	-60 to +120
silicone Rubber	2.1-3.5	99.61-124.72	-70 to +250
Ethylene Propylene	2.24	99.8	-40 to +105
FEP	2.1	96.6	-70 to +200
Low Density PTFE	1.38-1.73	78.3-87.7	-75 to +250
Foam FEP	1.45	80.3	-75 to +200
Polyimide	3.0-3.5	115.5-124.7	-75 to +300
PFA	2.1	96.6	-75 to +260
ETFE	2.6	107.5	-75 to +150
ECTFE	2.5	105.4	-65 to +150
PVDF	7.8	186.2	-75 to +125

## Operation Temperature Characteristics

Material	Temperature°C
PTFE	-75° c to +250° c
FEP	-70° c to +200° c
silastic	-70° c to +200° c
ETFE	-65° c to +150° c
PA	-40° c to +105° c
PUR	-55° c to +85° c
PVC	-50° c to +85° c
PE	-65° c to +80° c

## INNOVATION

Managed by the National Oceanic and Atmospheric Administration (NOAA) and NASA, the GOES-R (Geostationary Operational Environmental Satellite) significantly improves the quality and timelines of weather data.



## PRODUCT PERFORMANCE

Innovate to deliver optimal economic and performance value over the life cycle products

## VALUE

These satellites provide faster detection of weather phenomena that affect public safety, property protection and our nation's economic prosperity.

## INNOVATION

The Autonomic Logistics Information System (ALIS) converts a vast amount of maintenance data into actionable information to sustain the F-35 Lightning II program's anticipated 3,100+ aircraft in 12 nations.



## VALUE

As the fleet management backbone, ALIS assesses the health and performance of each F-35 and its components through a secure, integrated system that reduces maintenance downtime and delivers affordability over the next 50 years of operations.

## INFORMATION SECURITY

With a proven track record of information security, we are committed to security incidents in our products and for our customers' missions.

## INNOVATION

We've nearly doubled the reach and improved maneuverability of our PAC-3 Missile Segment Enhancement (MSE), a high-velocity interceptor that defends against tactical ballistic missiles, cruise missiles and aircraft.



## VALUE

Key components from our supply chain support these enhancements, which allow the missile to defend better against faster and more sophisticated missiles that threaten conditions necessary for global development.

## SUPPLIER SUSTAINABILITY

Partner with at least 90% of active suppliers to advance responsible sourcing practices and improve transparency.

## HEADQUARTERS

>> KS of CHINA

## INNOVATION

Our engineers designed the Littoral Combat Ship to combine the capabilities of surface warfare, anti-submarine warfare and mine countermeasures into a single ship class.

>> ANYARC (KUNSHAN) TECHNOLOGY CO., LTD

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Mail: [yangjian@anyarc.com](mailto:yangjian@anyarc.com)

Zip: 215345

## Talent Competitiveness

Foster a high performance, inclusive culture that attracts, engages and develops talent to excel in our marketplace.