

High-Performance RF Coaxial Cable Assemblies





High-Performance RF Coaxial Cable Assemblies

Gtest Test Cable Assembly



★Features & Advantages

- Excellent phase and amplitude stability
- Excellent durability
- Frequency coverage DC~50GHz
- Anti-twist
- Low reflection
- High cost performance

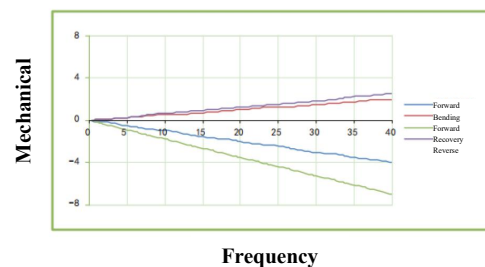
★Product Description

—This series of cable assemblies is specially designed by our company for laboratory testing and measurement environments, and has a good price/performance ratio in the field of test lines. It adopts a multi-layer protective structure such as a double braided shielding layer, a middle PTFE lining, and a stainless steel armor sheath. It can maintain excellent phase and amplitude stability during frequent bending use in the DC to 50GHz frequency band, while ensuring good shielding performance.

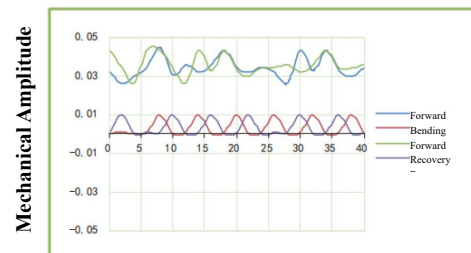
The components use special stainless steel high-reliability connectors, and the separate tail protection design effectively increases the service life of the components; the use of special threaded sleeves is more convenient, improves efficiency, is more user-friendly, and improves comfort, which perfectly meets the needs of the testing field.

This series of components can also be used in production and other test system interconnection situations.

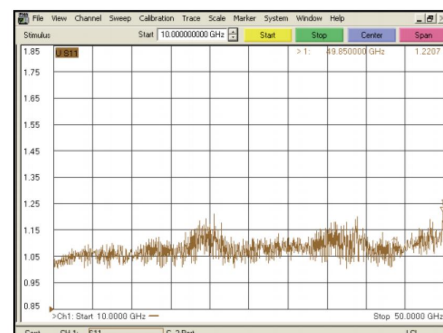
Mechanical phase stability



Mechanical Amplitude Stability



Frequency



★Component Main Performance Indicators

Item		Gtest test cable assembly
Cable Outer Diameter (mm)		9
Minimum Repeated Bending Radius (mm)		36
Component Length Tolerance		$\leq 1\text{m}, \pm 10\text{mm}; > 1\text{m}, \pm 1\%$
Temperature Range		$-55^{\circ}\text{C} \sim +165^{\circ}\text{C}$
Characteristic Impedance (Ω)		50
Propagation Rate		74%
Shielding Efficiency (dB)		≥ 100
Component Loss (dB)	6GHz	$1.09 * L \text{ (m)} + 0.15$
	12GHz	$1.56 * L \text{ (m)} + 0.20$
	18GHz	$1.92 * L \text{ (m)} + 0.25$
	26.5GHz	$2.35 * L \text{ (m)} + 0.35$
	40GHz	$2.92 * L \text{ (m)} + 0.40$
	50GHz	$3.29 * L \text{ (m)} + 0.50$
Voltage Standing Wave Ratio (VSWR)	Gtest27	DC $\sim$ 26.5GHz: 1.12 (Typical), 1.2 (Maximum)
	Gtest40	DC $\sim$ 40GHz: 1.15 (Typical), 1.25 (Maximum)
	Gtest50	DC $\sim$ 50GHz: 1.2 (Typical), 1.3 (Maximum)
Mechanical phase stability		$\leq \pm 4.75^{\circ}$ (DC $\sim$ 40GHz)
Mechanical Amplitude Stability		$\leq 0.05\text{dB}$ (DC $\sim$ 40GHz)
Average Power (W) +40°C, Sea Level (Power withstand capability of cable assemblies varies depending on connector configuration; please consult the company for details)		
6GHz		165
12GHz		115
18GHz		93
26.5GHz		76
40GHz		61
50GHz		55
Assembly Lifespan		100,000 bending cycles for assemblies, 10,000 mating cycles for connectors

Note: For more information, please contact the company; we provide excellent service.

Labtest Test Cable Assembly



★Features & Advantages:

Excellent Phase and Amplitude Stability

Excellent durability

Frequency coverage DC~50GHz

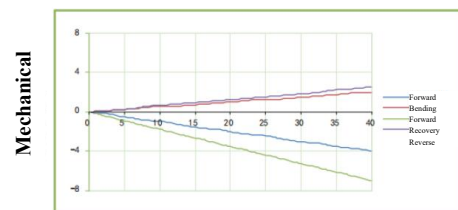
Low reflection

★Product Description:

—This series of cable assemblies is specifically designed by our company for laboratory testing, measurement environments, and other testing systems. It adopts a high-reliability structure with three layers of metal shielding braid, one layer of compression-resistant layer, and four layers of anti-torsion layer, maintaining excellent phase and amplitude stability during frequent bending use within the DC ~ 50GHz frequency band, while ensuring good shielding performance. It mainly replaces imported similar test cable assemblies.

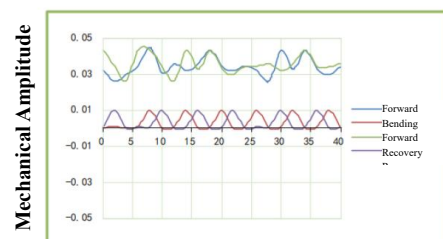
The assembly uses a specially designed high-reliability stainless steel connector, with a separate tail protection design that effectively increases the assembly's service life; the use of dedicated threaded sleeves makes it more convenient, improves efficiency, and is more user-friendly, improving comfort, perfectly meeting the needs of the testing field.

Mechanical phase stability

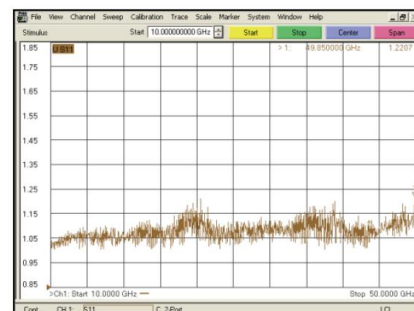


Frequency

Mechanical Amplitude Stability



Frequency



★Component Main Performance Indicators

Item		Labtest Test Cable Assembly
Cable Outer Diameter (mm)		5.5
Minimum Bending Radius (mm)		36
Component Length Tolerance		$\leq 1\text{m}, \pm 10\text{mm}; > 1\text{m}, \pm 1\%$
Temperature Range		$-55^{\circ}\text{C} \sim +165^{\circ}\text{C}$
Characteristic Impedance (Ω)		50
Propagation Rate		74%
Shielding Efficiency (dB)		≥ 100
Component Loss (dB)	6GHz	$1.09 * L \text{ (m)} + 0.15$
	12GHz	$1.56 * L \text{ (m)} + 0.20$
	18GHz	$1.92 * L \text{ (m)} + 0.25$
	26.5GHz	$2.35 * L \text{ (m)} + 0.35$
	40GHz	$2.92 * L \text{ (m)} + 0.40$
	50GHz	$3.29 * L \text{ (m)} + 0.50$
Voltage Standing Wave Ratio (VSWR)	Labtest27	DC $\sim$ 26.5GHz: 1.12 (Typical), 1.2 (Maximum)
	Labtest40	DC $\sim$ 40GHz: 1.15 (Typical), 1.25 (Maximum)
	Labtest50	DC $\sim$ 50GHz: 1.2 (Typical), 1.3 (Maximum)
Mechanical phase stability		$\leq \pm 4.75^{\circ}$ (DC $\sim$ 40GHz)
Mechanical Amplitude Stability		$\leq 0.05\text{dB}$ (DC $\sim$ 40GHz)
Average Power (W) +40°C, Sea Level (Power withstand capability of cable assemblies varies depending on connector configuration; please consult the company for details)		
6GHz		165
12GHz		115
18GHz		93
26.5GHz		76
40GHz		61
50GHz		55
Assembly Lifespan		100,000 bending cycles for assemblies, 10,000 mating cycles for connectors

Note: For more information, please contact the company; we provide excellent service.

Ultra-Low Loss Temperature-Stable Amplitude and Phase-Stable Cable

Assembly



★Features & Advantages:

Ultra-Low Loss

Excellent Temperature Phase Stability

Low reflection

Excellent Power Handling Capability

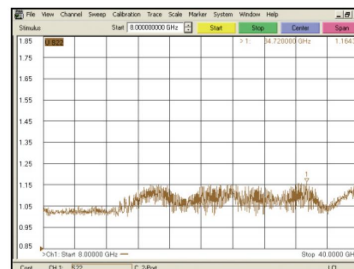
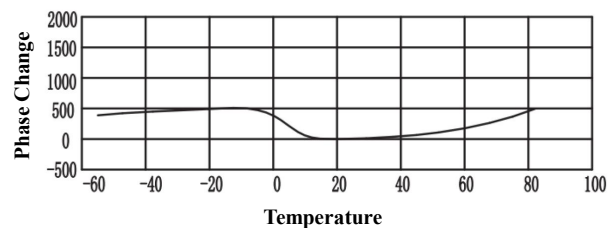
Highly Reliable Structure

Stainless Steel Connector Housing

★Product Description:

—This series of cable assemblies is primarily designed for applications with stringent requirements for loss, temperature stability, and phase stability. The SULL307 series is also suitable for high-power applications. It utilizes ultra-low density PTFE dielectric and silver-plated copper tape braiding to ensure excellent loss performance and temperature stability. All products employ highly reliable structures and consistent manufacturing processes, meeting the diverse application needs of military customers, such as: Testing equipment, phased array radar, military radar, electronic countermeasures, airborne equipment, etc.

Phase Change with Temperature (PPM)

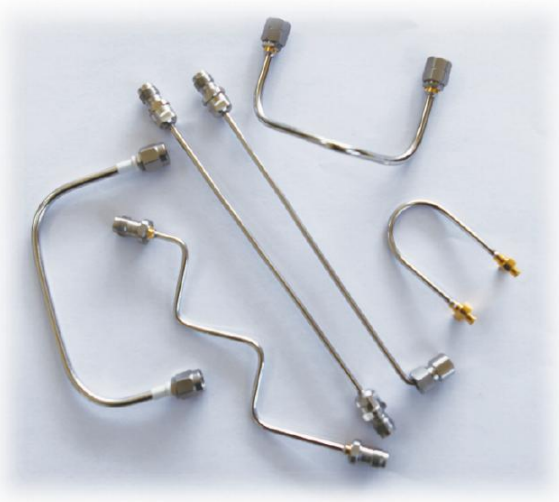


★Component Main Performance Indicators

Item \ Component		SULL142 Series	SULL205 Series	SULL307 Series
Cable Outer Diameter (mm)		3.6	5.2	7.8
Minimum Mounting Bending Radius (mm)		18	20	35
Minimum Repeated Bending Radius (mm)		36	52	80
Component Length Tolerance		$\leq 1\text{m}, \pm 10\text{mm}; > 1\text{m}, \pm 1\%$		
Temperature Range		$-55^{\circ}\text{C} \sim +165^{\circ}\text{C}$		
Characteristic Impedance (Ω)		50		
Propagation Rate		83%		
Shielding Efficiency (dB)		≥ 90		
Capacitance (pF/m)		80		
Component Loss (dB)	3GHz	$0.66 * L (\text{m}) + 0.10$	$0.41 * L (\text{m}) + 0.10$	$0.26 * L (\text{m}) + 0.10$
	6GHz	$0.94 * L (\text{m}) + 0.15$	$0.58 * L (\text{m}) + 0.15$	$0.38 * L (\text{m}) + 0.15$
	12GHz	$1.35 * L (\text{m}) + 0.20$	$0.83 * L (\text{m}) + 0.20$	$0.54 * L (\text{m}) + 0.20$
	18GHz	$1.67 * L (\text{m}) + 0.25$	$1.02 * L (\text{m}) + 0.25$	$0.68 * L (\text{m}) + 0.25$
	26.5GHz	$2.05 * L (\text{m}) + 0.35$	$1.26 * L (\text{m}) + 0.35$	—
	40GHz	$2.56 * L (\text{m}) + 0.40$	—	—
Voltage Standing Wave Ratio (VSWR)	TNC Type (11GHz)	1.2	1.2	1.2
	TNCA Type (18GHz)	1.2	1.2	1.2
	SMA Type (18GHz)	1.25	1.25	1.25
	N Type (18GHz)	1.25	1.25	1.25
	3.5mm (26.5GHz)	1.25	1.25	—
	2.92mm (40GHz)	1.3	—	—
Temperature Phase Stability		$\leq 500\text{PPM} (-55^{\circ}\text{C} \sim +85^{\circ}\text{C})$		
Mechanical phase stability (Rotation around minimum repeating bending diameter)		$\leq \pm 1.8^{\circ}$	$\leq \pm 2^{\circ}$	$\leq \pm 2.5^{\circ}$
Mechanical Amplitude Stability (Rotation around minimum repeating bending diameter)		$\leq 0.025\text{dB}$	$\leq 0.03\text{dB}$	$\leq 0.05\text{dB}$
Average Power (W) +40°C, Sea Level (Power withstand capability of cable assemblies varies depending on connector configuration; please consult the company for details)				
3GHz		292	500	1029
6GHz		204	350	716
12GHz		142	244	496
18GHz		115	197	398
26.5GHz		94	160	—
40GHz		75	—	—
Connector Lifespan		N-type, TNC, and TNCA type connectors: 3000 mating cycles; 3.5mm connectors: 2000 mating cycles; 2.92mm and SMA type: 1000 mating cycles		

Note: For more information, please contact the company; we provide excellent service.

Low-loss semi-rigid cable assemblies



★Features & Advantages:

- Low loss
- Easy to mold, good consistency
- Excellent shielding
- Lightweight
- Corrosion resistant
- Low reflection
- Highly Reliable Structure

★Product Description:

—This series of cable assemblies is designed for applications with stringent requirements for loss, shielding performance, corrosion resistance, and weight. Using low-density PTFE dielectric, it effectively reduces attenuation by 30%, temperature phase change rate by 100%, power handling capacity by 200%, and weight by 20% compared to traditional semi-rigid cable assemblies. Widely applicable to instruments, board-to-board interconnection, cabinet patch cords, testing equipment, phased array radar, etc. We can provide on-site surveying, component wiring design and installation, and other related services.

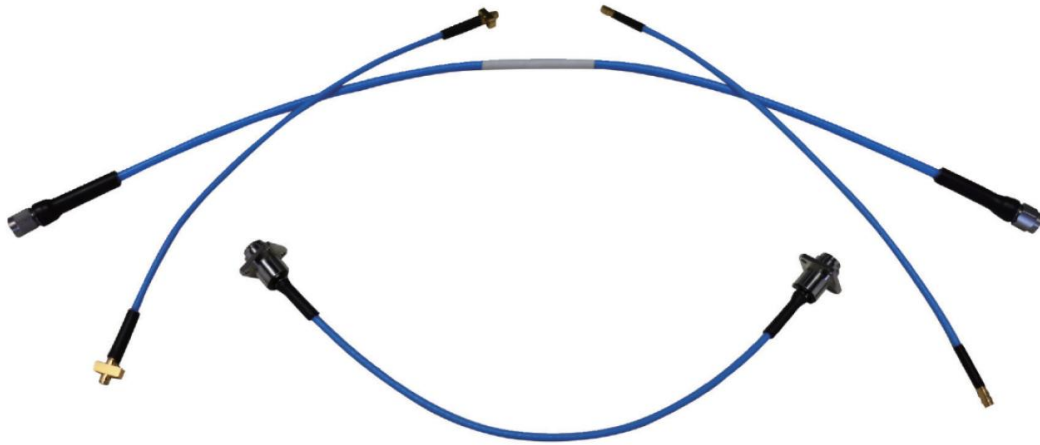


★Component Main Performance Indicators

Component Item		SRLL086 Series	SRLL120 Series	SRLL141 Series
Cable Outer Diameter (mm)		2.18	3.05	3.58
Minimum Mounting Bending Radius (mm)		7	15	20
Component Length Tolerance		$\leq 1\text{m}, \pm 10\text{mm}; > 1\text{m}, \pm 1\%$		
Temperature Range		$-65^{\circ}\text{C} \sim +165^{\circ}\text{C}$		
Characteristic Impedance (Ω)		50		
Propagation Rate		76%		
Shielding Efficiency (dB)		≥ 165		
Capacitance (pF/m)		88		
Component Loss (dB)	3GHz	$0.97 * L (\text{m}) + 0.10$	$0.60 * L (\text{m}) + 0.10$	$0.55 * L (\text{m}) + 0.10$
	6GHz	$1.37 * L (\text{m}) + 0.15$	$0.86 * L (\text{m}) + 0.15$	$0.78 * L (\text{m}) + 0.15$
	12GHz	$1.96 * L (\text{m}) + 0.20$	$1.23 * L (\text{m}) + 0.20$	$1.13 * L (\text{m}) + 0.20$
	18GHz	$2.42 * L (\text{m}) + 0.25$	$1.53 * L (\text{m}) + 0.25$	$1.40 * L (\text{m}) + 0.25$
	26.5GHz	$2.96 * L (\text{m}) + 0.35$	$1.88 * L (\text{m}) + 0.35$	$1.73 * L (\text{m}) + 0.35$
	40GHz	$3.68 * L (\text{m}) + 0.40$	$2.35 * L (\text{m}) + 0.40$	—
	50GHz	$4.15 * L (\text{m}) + 0.45$	—	—
Voltage Standing Wave Ratio (VSWR)	SMA Type (18GHz)	1.2	1.2	1.2
	N Type (18GHz)	1.2	1.2	1.2
	3.5mm (26.5GHz)	1.25	1.25	1.25
	2.92mm (40GHz)	1.3	1.3	—
	2.4mm (50GHz)	1.3	—	—
Average Power (W) +40°C, Sea Level (Power withstand capability of cable assemblies varies depending on connector configuration; please consult the company for details)				
3GHz		149	301	336
6GHz		104	210	234
12GHz		73	146	163
18GHz		59	118	131
26.5GHz		48	96	106
40GHz		39	76	—
Connector Lifespan		N-type and TNC-type connectors: 3000 mating cycles; 3.5mm connectors: 2000 mating cycles; 2.92mm and SMA-type connectors: 1000 mating cycles		

Note: For more information, please contact the company; we provide excellent service.

Economical Flexible Cable Assemblies



★Product Description:

—This series of assemblies is an economical product. It features excellent flexibility and high cost-effectiveness, and is widely used in test equipment interconnection, board-to-board interconnection, and cabinet patch cords.

★Features & Advantages:

- High cost performance
- Low reflection
- Highly Reliable Structure
- Stainless Steel Connector Housing

★Component Main Performance Indicators

Item \ Component		SSPF110 Series	SSPF158 Series
Cable Outer Diameter (mm)		2.8	4.0
Minimum Mounting Bending Radius (mm)		14	20
Minimum Repeated Bending Radius (mm)		28	40
Component Length Tolerance		$\leq 1\text{m}, \pm 10\text{mm}; > 1\text{m}, \pm 1\%$	
Temperature Range		$-55^{\circ}\text{C} \sim +165^{\circ}\text{C}$	
Characteristic Impedance (Ω)		50	
Propagation Rate		70%	
Shielding Efficiency (dB)		≥ 90	
Capacitance (pF/m)		95	
Component Loss (dB)	3GHz	$1.26 * L \text{ (m)} + 0.10$	$0.72 * L \text{ (m)} + 0.10$
	6GHz	$1.84 * L \text{ (m)} + 0.15$	$1.08 * L \text{ (m)} + 0.15$
	12GHz	$2.74 * L \text{ (m)} + 0.20$	$1.66 * L \text{ (m)} + 0.20$
	18GHz	$3.49 * L \text{ (m)} + 0.25$	$2.17 * L \text{ (m)} + 0.25$
	26.5GHz	$4.41 * L \text{ (m)} + 0.35$	$2.81 * L \text{ (m)} + 0.35$
	40GHz	$5.71 * L \text{ (m)} + 0.40$	—
Voltage Standing Wave Ratio (VSWR)	TNC Type (11GHz)	1.2	1.2
	TNCA Type (18GHz)	1.25	1.25
	SMA Type (18GHz)	1.25	1.25
	N Type (18GHz)	1.25	1.25
	3.5mm (26.5GHz)	1.3	1.3
	2.92mm (40GHz)	1.3	—
Average Power (W) +40°C, Sea Level (Power withstand capability of cable assemblies varies depending on connector configuration; please consult the company for details)			
3GHz		55	144
6GHz		38	95
12GHz		25	62
18GHz		20	47
26.5GHz		16	36
40GHz		12	—
Connector Lifespan		N-type, TNC, and TNCA connectors: 3000 mating cycles; 3.5mm connectors: 2000 mating cycles; 2.92mm and SMA connectors: 1000 mating cycles	

Note: For more information, please contact the company; we provide excellent service.

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VNA Test Component Fascicule





VNA amplitude and phase stabilized dedicated test cable assemblies are mainly applied to vector network analyzer testing. Equipped with NMD connectors at the ports, they can be firmly connected to the VNA. Featuring excellent mechanical phase stability and connection repeatability, these assemblies support precision measurement of electrical performance parameters in scenarios such as laboratories and production line test systems.

Product features:

- * Anti-torsion, anti-pressure, anti-wear
- * Excellent phase and amplitude stability
- * Excellent stability and consistency across multiple tests
- * Excellent accuracy and reliability across multiple tests
- * Rugged design ensures long service life
- * Provides a variety of connector options for NMD and APC interfaces

Typical applications:

- * Vector Network Analyzer
- * Laboratory environment testing
- * Critical precision measurements



Product guarantee

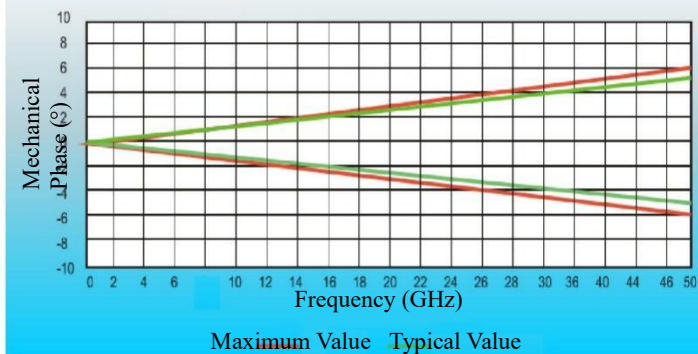
Youweixin Company provides a 6-month warranty period for VNA test components from the date of shipment. If any problems occur during normal use within 6 months, the company is responsible for repair or replacement.

VNA Product Specifications

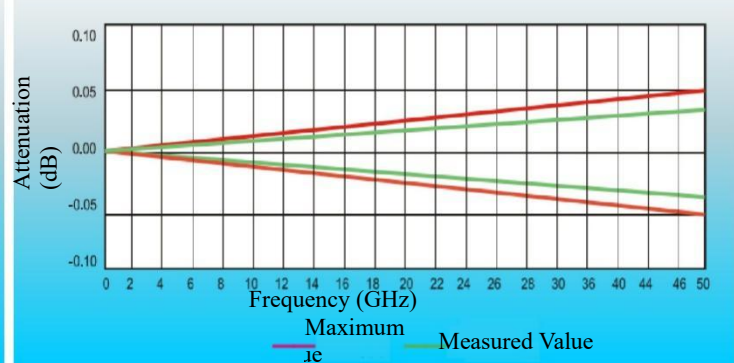
VNA

Physical and mechanical properties		Electrical properties			
Size	MM	Frequency of use:	26.5 GHz	40GHz	50 GH2
Outer diameter	15	VSWR	≤1.20	≤1.25	≤1.30
Anti-pressure	3000N/50mm	Attenuation	2.35dB/M	2.92dB/M	3.28dB/M
Minimum Bending Radius	65	Mechanical phase stability	± 3°	± 5°	± 6°
Connector Retention Force	78ON	Mechanical Amplitude Stability	± 0.03dB	± 0.05dB	± 0.05dB
Number of Bendings:	>50000	Average Power (Cable)	76W@25°C	61W@25°C	55W@25°C
Standard Length	630	Propagation Rate:	74%	74%	74%
Continuous Operating Temperature	18°C - +30°C	Shielding Efficiency:	>100dB	>100dB	>100dB
Storage Temperature (High Temperature)	-40°C - +75°C	Impedance	50Ω	50Ω	50Ω

WNA Mechanical Phase Stability



VNA Mechanical Amplitude Stability



Cable Structure

Abrasion-resistant Braided Layer
Stress-relieving Tube





NMD

3.5 Female

2.92 Female

2.4 Female



NMD

3.5 Male

2.92 Male

2.4 Male



APC

2.4 Female

2.92 Female

3.5 Female

Component Selection Information

VNAXX-XXXX/XXXX-XX.XX

Frequency

—18 =18GHz
—26 =26.5GHz
—40 =40GHz
—50 =50GHz

M: Metric, M

Example: 01.20M = 1.2 meters

F: Imperial units, Ft

Example: 0.150F = 1.5 Ft

Connector type, independent on both sides

N35F = NMD3.5 Female
N29M = NMD2.92 Male
N24M = NMD2.4 Male
N24F = NMD2.4 Female
A35F = APC3.5 Female
A24F = APC2.4 Female

RF Cable Fascicule





High-Performance Ultra-Low Loss Steady Phase RF Cable

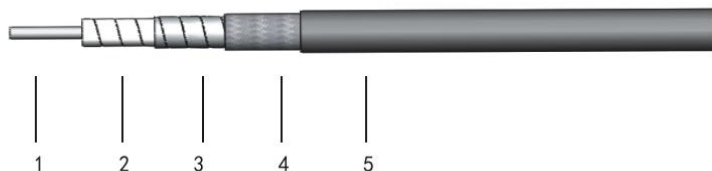


DA series RF cable adopts the international leading low-loss phase-stabilized RF cable structure, low-density PTFE is used as the dielectric, and the outer conductor is wrapped with silver-plated copper ribbon. This is the lowest loss cable structure among flexible cables. Widely used in avionics, phased array radar, electronic countermeasures, vehicle antenna and other occasions with harsh requirements for loss and phase.

Product Features:

- * Excellent mechanical phase stability
- * Excellent temperature phase stability
- * Ultra-Low Loss
- * Excellent amplitude stability
- * Excellent power handling capability

DA Series Cable Structure



1. Center conductor, silver-plated copper
2. Media, LD-PTFE
3. Outer conductor, silver-plated copper strip wrapped
4. Shield, silver-plated copper wire braided
5. Grey FEP sheath

Alternative Table for Similar Cables

YWX	MCC	GORE	TIMES	IW	HAROUR	SEMFLEX
DA-220		3506				
DA-360	UFB142A	3507		1401		
DA-500	UFB205A	3449	HF190	1801		
DA-800	UFB311A	3450	HF290	2801	LLS290	LA290

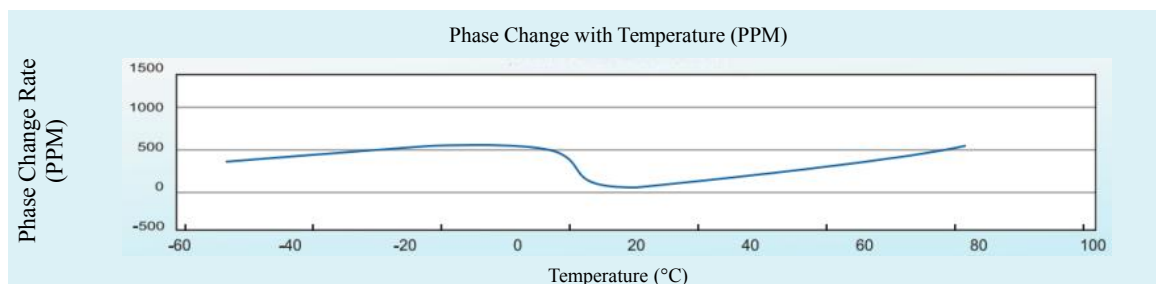
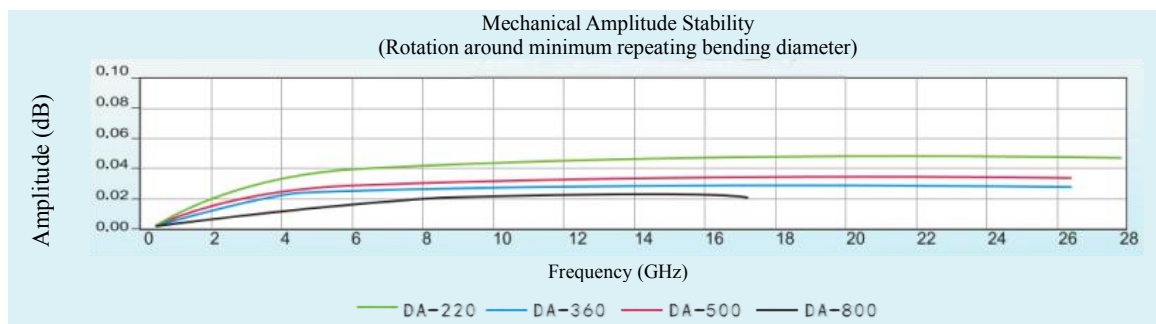
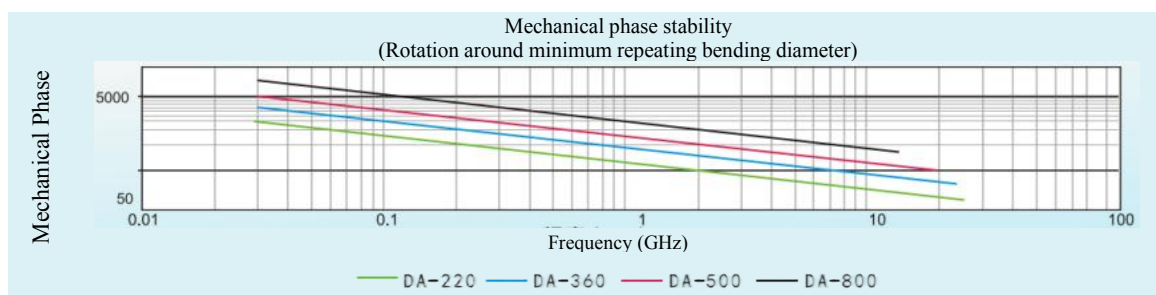
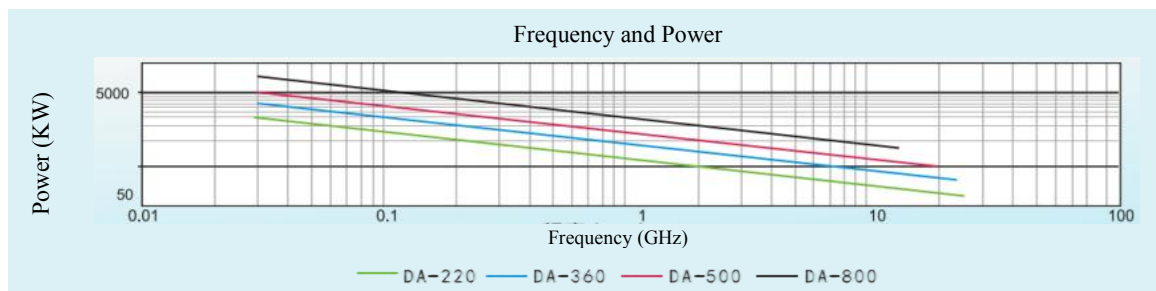
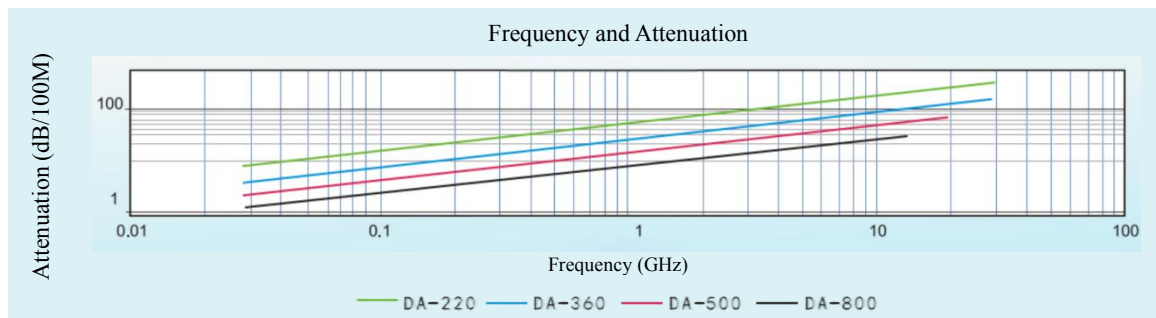
Typical applications:

- * **Electronic radar**
- * **Vehicle antenna**
- * **Shipborne system**
- * **Airborne platform**
- * **Avionics**
- * **Satellite communications**



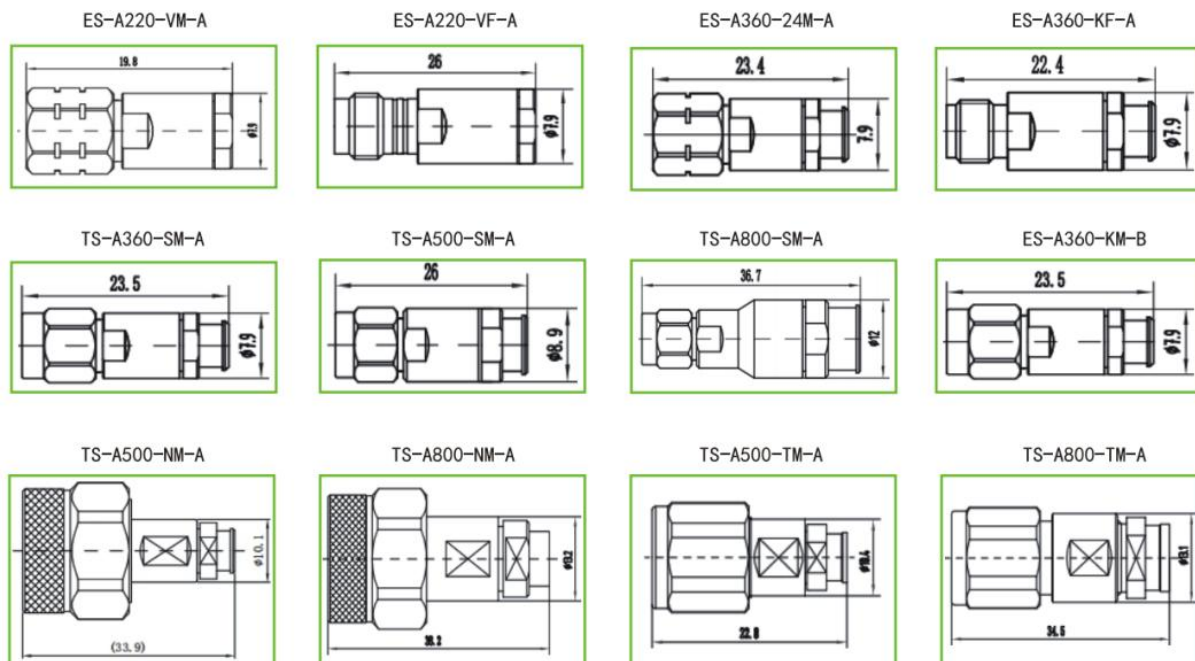
DA Product specifications

DA-220		DA-360		DA-500		DA-800		
Physical and mechanical properties								
Size	MM	MM		MM		MM		
Center conductor	0.51	0.91		1.45		2.30		
Dielectric medium	1.43	2.50		4.00		6.30		
Outer conductor	1.55	2.66		4.20		6.50		
Outer shielding	1.85	3.06		4.70		7.10		
Outer sheath	2.20	3.60		5.20		7.80		
Minimum bending radius, mounting	11	18		26		40		
Minimum bending radius, repeating	22	36		52		80		
Weight	18g/m	33g/m		63g/m		130g/m		
Temperature Range	T: -55°C/165°C (-67°/329°F)							
	Electrical properties							
Impedance	50 Ohms	50 Ohms		50 Ohms		50 Ohms		
Propagation rate	80%	82%		83%		83%		
Dielectric constant	1.49	1.48		1.45		1.45		
Shielding efficiency	>90dB	>90dB		>90dB		>90dB		
Time delay	4.06 nS/m	4.02 nS/m		4.02 nS/m		4.02 nS/m		
Cut-off frequency	83 GHz	46 GHz		29 GHz		18 GHz		
Withstand voltage	500 DC	900 DC		1500 DC		3600 DC		
Peak power	0.63kW	2.0 kW		5.6 kW		32.4kW		
Attenuation and average power	Attenuation (+25°C. room temperature); Power (+40° room temperature, sea level, standing wave 1:1)							
Frequency (MHz)	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW
50	13.86	1.234	8.29	2.314	5.08	3.957	3.24	8.244
100	19.65	0.871	11.74	1.634	7.19	2.794	4.60	5.817
300	34.21	0.500	20.40	0.940	12.49	1.608	8.00	3.341
500	44.33	0.386	26.40	0.726	16.17	1.243	10.37	2.579
1000	63.11	0.271	37.50	0.511	22.96	0.875	14.76	1.812
2000	90.11	0.190	53.36	0.359	32.66	0.615	21.07	1.269
3000	111.16	0.154	65.65	0.292	40.18	0.500	25.98	1.029
4000	129.13	0.132	76.10	0.252	46.58	0.431	30.18	0.866
5000	145.14	0.118	85.37	0.225	52.25	0.385	33.91	0.789
6000	159.75	0.107	93.81	0.204	57.40	0.350	37.32	0.717
8000	186.01	0.092	108.91	0.176	66.64	0.301	43.44	0.615
10000	209.50	0.082	122.35	0.157	74.85	0.268	48.92	0.547
12000	231.01	0.074	134.60	0.142	82.34	0.244	53.93	0.496
13500	246.14	0.069	143.19	0.134	87.58	0.229	57.45	0.465
15000	260.58	0.066	151.36	0.127	92.57	0.217	60.81	0.440
18000	287.72	0.059	166.67	0.115	101.92	0.197	67.13	0.398
26500	355.86	0.048	204.79	0.094	125.20	0.160		
40000	448.00	0.038	255.69	0.075				
Other frequency point attenuation	dB/100 m=K1*sqrt(FMHz)+K2*FMHz							
K1	1.9500000		1.1684700		0.7156867		0.4563799	
K2	0.0014500		0.0005500		0.0003280		0.0003280	



DA Connector and Component Information

Connector Details



Component Selection Information

DAXXX-XXXXXX-XX.XX

M: Metric, M
Example: 01.50M = 1.5 meters
F: Imperial units, Ft
Example: 03.50F=3.5 Ft

Cable Details

-220
-360
-500
-800

Connector type, independent on both sides

18M = 1.85 Male
35M = 3.5mm Male
24M = 2.4mm Male
KM = 2.92mm Male
NM = Type N Male
SM = SMA Male

Model	Cable	Description	Material No.	Material	Connection Mode
1.85-Male	DA-220	ES-A220-VM-A	06-MS003	Stainless steel	Center pin insertion / unplugging, outer conductor welding
1.85-Female	DA-220	ES-A220-VF-A	06-FS002	Stainless steel	Center pin insertion / unplugging, outer conductor welding
2.4-Male	DA-360	ES-A360-24M-A	05-MS002	Stainless steel	Center pin insertion / unplugging, outer conductor welding
2.92-Female	DA-360	ES-A360-KF-A	04-FS002	Stainless steel	Center pin insertion / unplugging, outer conductor welding
2.92-Male	DA-360	ES-A360-KM-B	04-MS008	Stainless steel	Center pin insertion / unplugging, outer conductor welding
SMA-Male	DA-360	TS-A360-SM-A	01-MS007	Stainless steel	Center pin welding, outer conductor welding
SMA-Male	DA-500	TS-A500-SM-A	01-MS001	Stainless steel	Center pin welding, outer conductor welding
SMA-Male	DA-800	TS-A800-SM-A	01-MS005	Stainless steel	Center pin welding, outer conductor welding
N-Male	DA-500	TS-A500-NM-A	02-MS001	Stainless steel	Center pin welding, outer conductor welding
N-Male	DA-800	TS-A800-NM-A	02-MS002	Stainless steel	Center pin welding, outer conductor welding
TNC-Male	DA-500	TS-A500-TM-A	09-MS001	Stainless steel	Center pin welding, outer conductor welding
TNC-Male	DA-800	TS-A800-TM-A	09-MS002	Stainless steel	Center pin welding, outer conductor welding

Remark: For other types of connectors, please contact us!



High-Performance Low Loss Flexible RF Cable

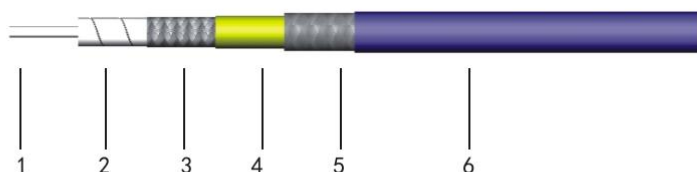


DB series RF cable adopts the structure widely used in foreign markets, low density PTFE media, silver plated flat wire braiding, three layers of shielding, the structure is widely used in civil aircraft, fighter aircraft, ship-borne environment, border defense weapon system. After years of practical application, this series of cables has high reliability, good environmental adaptability, excellent durability and long service life.

Product Features:

- * Excellent shielding performance
- * Excellent bending properties
- * Excellent durability
- * Excellent mechanical strength
- * Excellent service life

DB Series Cable Structure



1. Center conductor, silver-plated copper
2. Media, ND-PTFE
3. Outer conductor, silver-plated copper with wire braided
4. Intermediate layer, high temperature aluminum foil
5. Shield, silver-plated copper wire braided
6. Light blue FEP sheath

Alternative Table for Similar Cables

YWX	TIMES	ASTROLAB	SEMFLEX	MCC	H+S
DB-460	SFT-142	32022	HP160s	UFA147A	SF-102
DB-520	SFT-205	32055	HP190s	UFA205A	SF-104
DB-630	SFT-304	32051	HP305s		

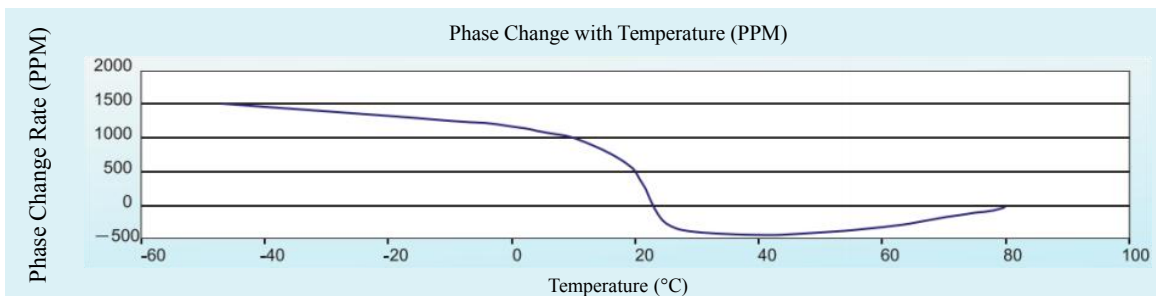
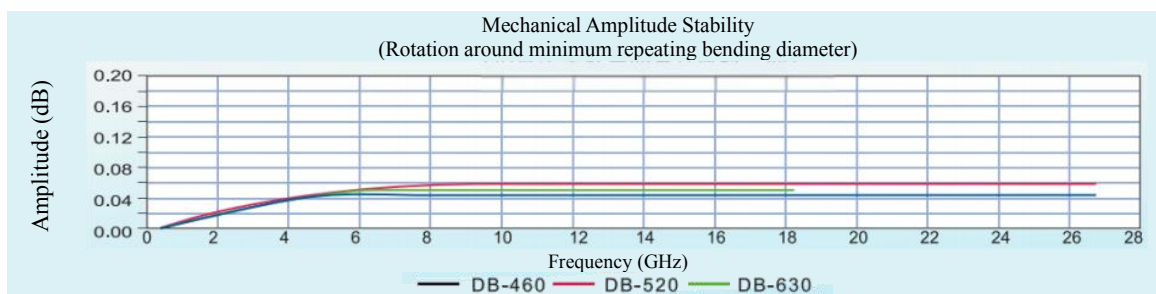
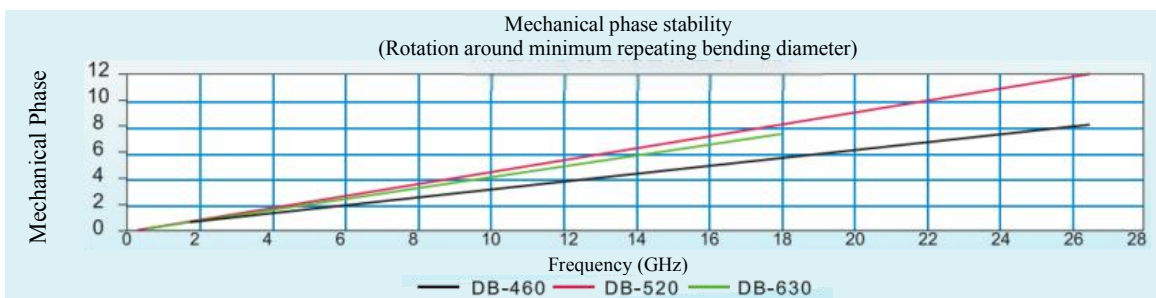
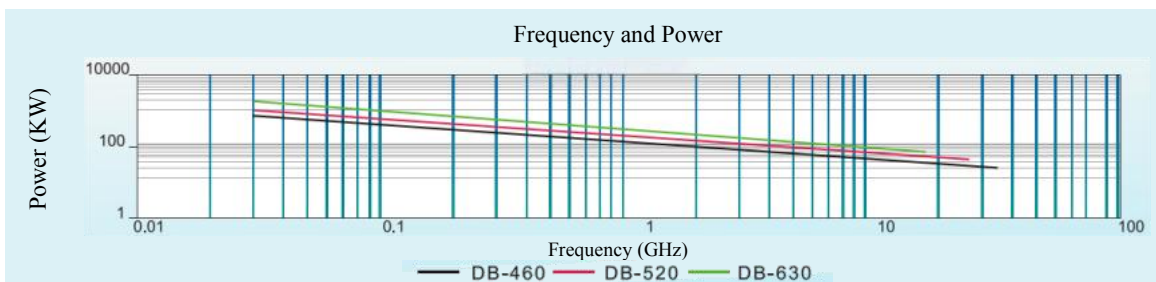
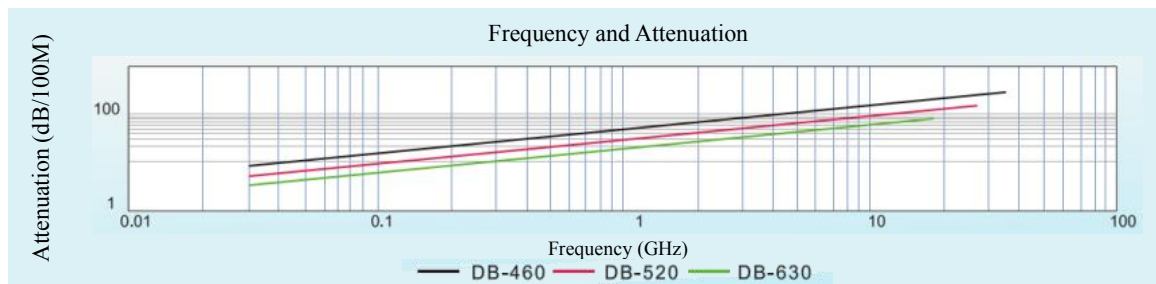
Typical applications:

- * Avionics
- * Vehicle platform
- * Test system installation
- * Field test interconnection
- * Test cable assembly
- * Radio system interconnection



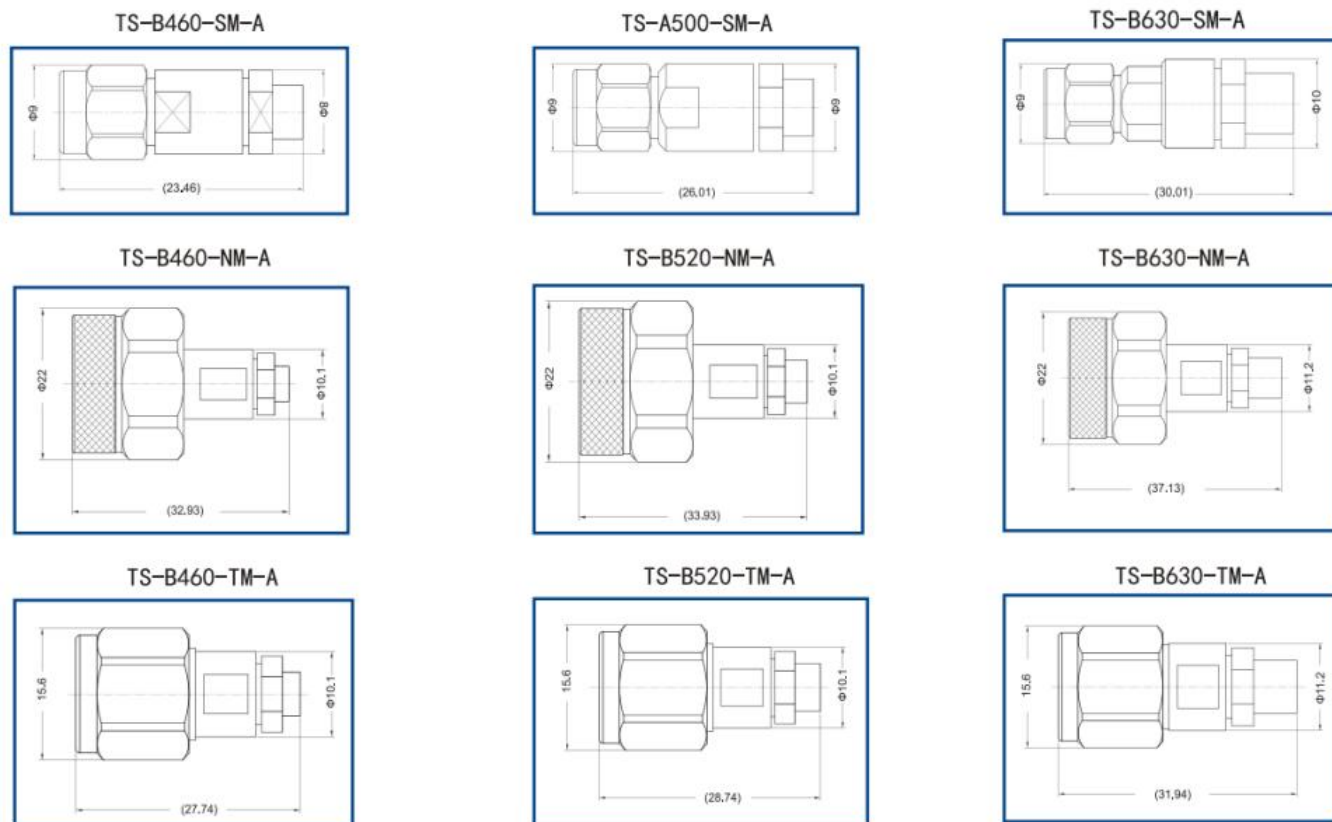
DB Product specifications

	DB-460		DB-520		DB-630	
	Physical and mechanical properties					
Size	MM		MM		MM	
Center conductor	1.02		1.29		1.57	
Dielectric medium	3.05		3.90		4.72	
Outer conductor	3.25		4.15		4.96	
Intermediate layer	3.49		4.28		5.10	
Outer shielding	4.00		4.73		5.55	
Outer sheath	4.60		5.20		6.20	
Minimum bending radius, mounting	20		25		31	
Minimum bending radius, repeating	46		52		62	
Weight	50g/m		60g/m		85g/m	
Temperature Range	T: -55°C/200°C (-67°/392°F)					
	Electrical properties					
Impedance	50 Ohms		50 Ohms		50 Ohms	
Propagation Rate	76%		76%		76%	
Dielectric constant	1.73		1.73		1.73	
Shielding efficiency	>100dB		>100dB		>100dB	
Time delay	4.38 nS/m		4.38 nS/m		4.38 nS/m	
Cut-off frequency	35 GHz		28 GHz		23 GHz	
Withstand voltage	1000 DC		1500 DC		2000 DC	
Peak power	2.5 kW		5.6 kW		10 kW	
Attenuation and average power	Attenuation (+25°C. room temperature); Power (+40° room temperature, sea level, standing wave 1:1)					
Frequency (MHz)	dB/100m	kW	dB/100m	kW	dB/100m	kW
50	7.08	2.579	6.08	3.302	4.86	4.676
100	11.06	1.821	8.62	2.330	6.89	3.298
300	19,22	1.047	15.01	1.338	12.00	1.892
500	24.89	0.809	19.44	1.033	15.56	1.460
1000	35.37	0.569	27.67	0.726	22.18	1.024
2000	50.37	0.400	39.47	0.509	31.71	0.716
3000	62.03	0.324	48.67	0.413	39.17	0.580
4000	71.95	0.280	56.52	0.355	45.54	0.499
5000	80.75	0.249	63.50	0.316	51.23	0.443
6000	88.78	0.227	69.87	0.288	56.43	0.403
8000	103.16	0.195	81.31	0.247	65.79	0.345
10000	115.97	0.174	91.53	0.219	74.18	0.306
12000	127.67	0.158	100.88	0.199	81.88	0.277
13500	135.87	0.148	107.46	0.187	87.30	0.260
15000	143.69	0.140	113.73	0.177	92.48	0.246
18000	158.35	0.127	125.51	0.160	102.23	0.222
26500	194.93	0.103	155.04	0.130		
Other frequency point attenuation	dB/100 m=K1*sqrt (FMHz) +K2*FMHz					
K1	1.0994853		0.8562336		0.6827428	
K2	0.0006019		0.0005906		0.0005906	



DB Connector and Component Information

Connector Details



Component Selection Information

DBXXX-XXXXXX-XX. XX

Cable Details

—460
—520
—630

M: Metric, M
Example: 01.20M = 1.2 meters
F: Imperial units, Ft
Example: 03.50F=3.5 Ft

Connector type, independent on both sides

NM = Type N Male
SM = SMA Male
TM = TNC Male

Model	Cable	Description	Material No.	Material	Connection Mode
SMA-Male	DB-460	TS-B460-SM-A	01-MS004	Stainless steel	Center pin welding, outer conductor welding
SMA-Male	DB-520	TS-A500-SM-A	01-MS001	Stainless steel	Center pin welding, outer conductor welding
SMA-Male	DB-630	TS-B630-SM-A	01-MS017	Stainless steel	Center pin welding, outer conductor welding
N Male	DB-630	TS-B630-NM-A	02-MS012	Stainless steel	Center pin welding, outer conductor welding
N Male	DB-460	TS-B460-NM-A	02-MS003	Stainless steel	Center pin welding, outer conductor welding
N Male	DB-520	TS-B520-NM-A	02-MS007	Stainless steel	Center pin welding, outer conductor welding
TNC Male	DB-460	TS-B460-TM-A	09-MS003	Stainless steel	Center pin welding, outer conductor welding
TNC Male	DB-520	TS-B520-TM-A	09-MS004	Stainless steel	Center pin welding, outer conductor welding
TNC Male	DB-630	TS-B630-TM-A	09-MS005	Stainless steel	Center pin welding, outer conductor welding

Remark: For other types of connectors, please contact us!



Flexible System Interconnection RF Cable



DC series RF cables use the international leading silver-plated copper ribbon winding process as the outer conductor, and the cable medium is made of solid solid PTFE, with silver-plated copper wire outer braiding. The standardized cable structure size can easily replace the standard size semi-steel and semi-flexible cables.

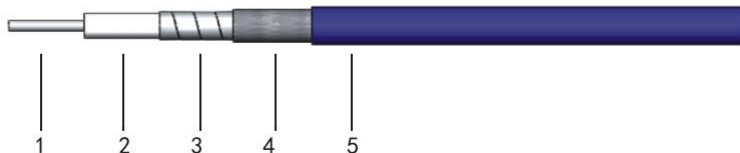
Product Features:

- * Well mechanical phase stability
- * Well amplitude stability
- * Excellent shielding performance
- * High cost performance
- * Standard 086 and 141 connector selection

Typical applications:

- * **Instrumentation**
- * **In cabinet jumper**
- * **PIM cable**
- * **Radio station**
- * **Feed network**
- * **Interconnected boards and cards**

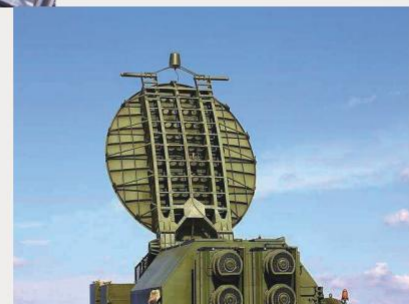
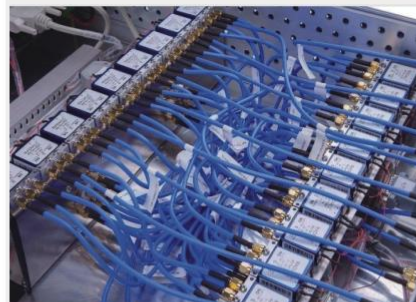
DC Series Cable Structure



1. Center conductor, silver-plated copper
2. Media, solid PTFE
3. Outer conductor, silver-plated copper strip wrapped
4. Shield, silver-plated copper wire braided
5. Light blue FEP sheath

Alternative Table for Similar Cables

YWX	TIMES	H+S	HABIA	HARBOUR
DC-280	TFLEX-405	MULTIFLEX86	MULTIBEND86	SS405
DC-400	TFLEX-402	MULTIFLEX141	MULTIBEND141	SS402

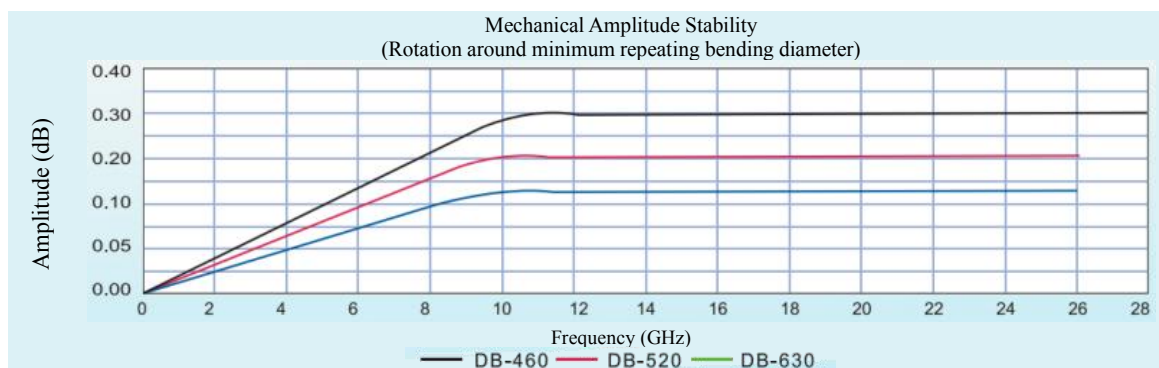
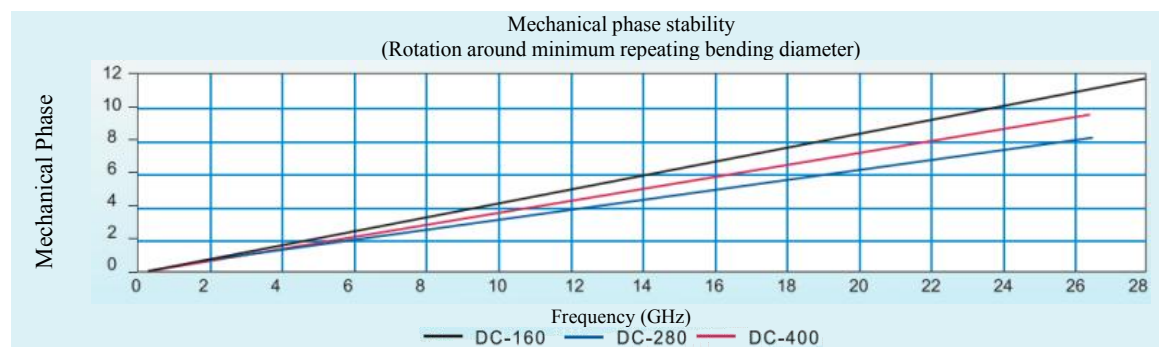
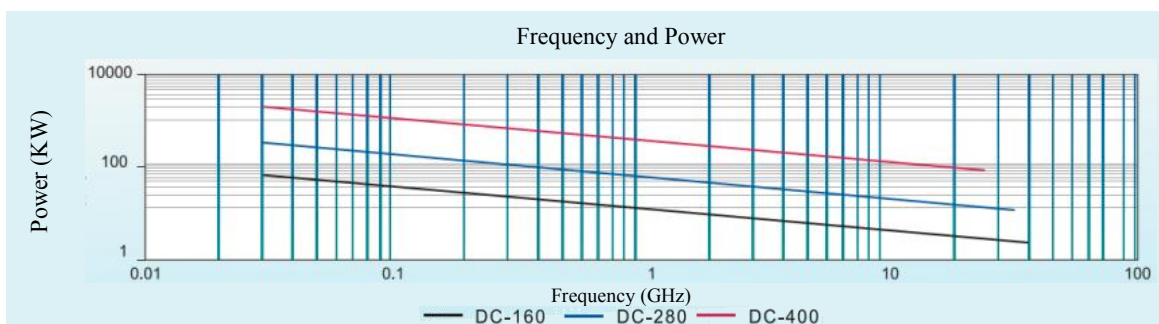
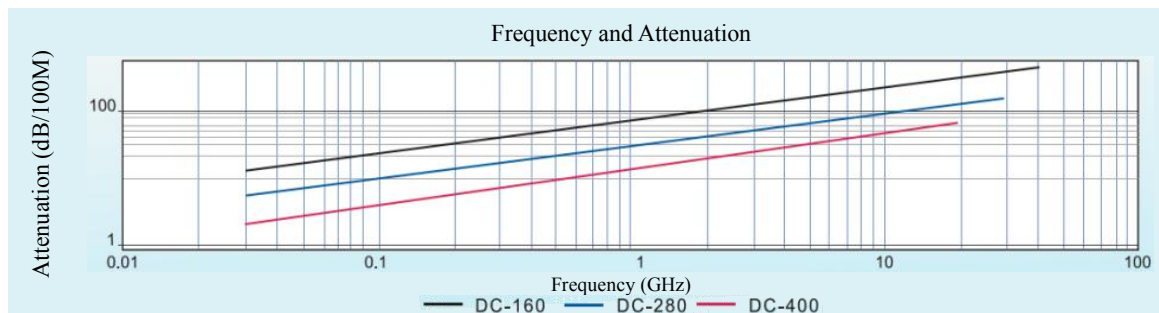




Product specifications

	DC-160		DC-280		DC-400	
Physical and mechanical properties						
Size	MM		MM		MM	
Center conductor	0.29		0.51		0.91	
Dielectric medium	0.94		1.63		3.00	
Outer conductor	1.14		1.79		3.20	
Outer shielding	1.34		2.16		3.60	
Outer sheath	1.60		2.80		4.00	
Minimum bending radius, mounting	8		14		20	
Minimum bending radius, repeating	16		28		40	
Weight	7g/m		22g/m		49g/m	
Temperature Range	T: -55°C/125°C (-67°/257°F)					
	Electrical properties					
Impedance	50 Ohms		50 Ohms		50 Ohms	
Propagation Rate	70%		70%		70%	
Dielectric constant	2.04		2.04		2.04	
Shielding efficiency	>90dB		>90dB		>90dB	
Time delay	4.76 nS/m		4.76 nS/m		4.76 nS/m	
Cut-off frequency	108 GHz		62 GHz		34 GHz	
Withstand voltage	500 DC		700 DC		1500 DC	
Peak power	0.63 kW		2.50 kW		5.60 kW	
Attenuation and average power	Attenuation (+25°C. room temperature); Power (+40° room temperature, sea level, standing wave 1:1)					
Frequency (MHz)	dB/100m	kW	dB/100m	kW	dB/100m	kW
50	25.07	0.175	14.81	0.467	7.85	1.299
100	35.47	0.124	21.06	0.329	11.22	0.909
300	61.52	0.071	36.98	0.187	19.93	0.512
500	79.50	0.055	48.19	0.144	26.17	0.390
1000	112.62	0.039	69.30	0.100	38.17	0.267
2000	159.64	0.027	100.31	0.069	56.28	0.181
3000	195.88	0.022	125.02	0.055	71.10	0.143
4000	226.53	0.019	146.47	0.047	84.20	0.121
5000	253.61	0.017	165.84	0.042	96.22	0.106
6000	278.16	0.016	183.73	0.038	107.46	0.095
8000	321.89	0.014	216.37	0.032	128.31	0.080
10000	360.57	0.012	246.06	0.028	147.61	0.069
12000	395.66	0.011	273.66	0.025	165.81	0.062
13500	420.15	0.010	293.30	0.024	178.91	0.057
15000	443.39	0.010	312.20	0.022	191.62	0.053
18000	486.73	0.009	348.17	0.020	216.09	0.047
26500	593.60	0.007	440.80	0.016	280.53	0.036
40000	878.00	0.005				
Other frequency point attenuation	dB/100 m=K1*sqrt(FMHz)+K2*FMHz					
K1	3.5406664		2.0669291		1.0824000	
K2	0.0006499		0.0039370		0.0039370	

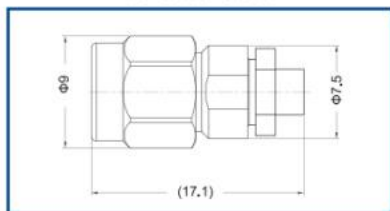
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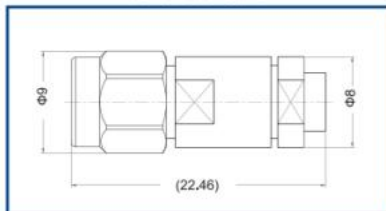
DC Connector and Component Information

Connector Details

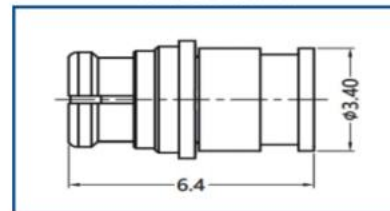
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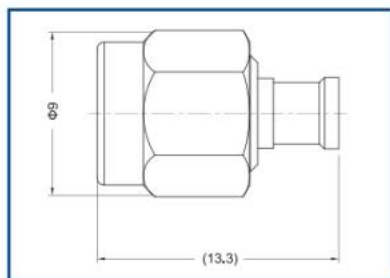
TS-C400-SM-B



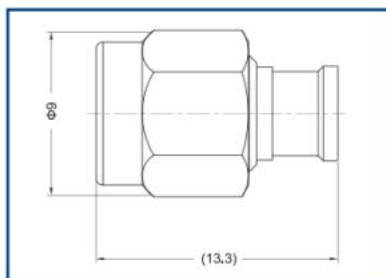
TS-C280-SPF-A



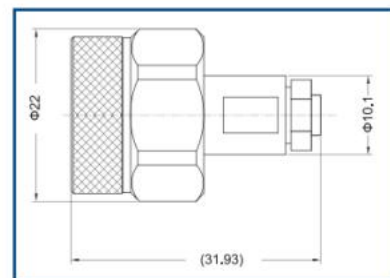
TS-C280-SM-A



TS-C400-SM-A



TS-C400-NM-A



Component Selection Information

M: Metric, M
Example: 01.20M = 1.2 meters
F: Imperial units, Ft
Example: 07.50F=7.5 Ft

DCXXX-XXXXXX-XX.XX

Cable Details

- 160
- 280
- 400

Connector type, independent on both sides

NM = Type N Male
SM = SMA Male
SF = SMA Female
SMPF = SMP Female

Model	Cable	Description	Material No.	Material	Connection Mode
SMA Male	DC-280	TS-C280-SM-A	01-MS008	Stainless steel	Center pin welding, outer conductor welding
SMA Male	DC-280	TS-C280-SM-B	01-MS012	Stainless steel	Center pin welding, outer conductor welding
SMP Female	DC-280	TS-C280-SPF-A	07-FS001	Beryllium copper	Center pin welding, outer conductor welding
N Male	DC-400	TS-C400-NM-A	02-MS008	Stainless steel	Center pin welding, outer conductor welding
SMA Male	DC-400	TS-C400-SM-A	01-MS010	Stainless steel	Center pin welding, outer conductor welding
SMA Male	DC-400	TS-C400-SM-B	01-MS011	Stainless steel	Center pin welding, outer conductor welding

Remark: For other types of connectors, please contact us!



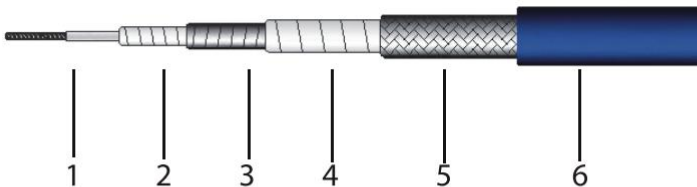
Ultra-Flexible Low Loss Steady Phase RF Cable

The DE series RF cable adopts a low-loss, phase-stabilized RF cable structure, with a 19-core stranded center conductor, a low-density PTFE dielectric, a silver-plated flat wire wrapped outer conductor, and a PUR outer sheath. This is the best flexible low loss phase steady cable structure. Widely used in any equipment that requires repeated bending, as well as any other applications where stringent requirements are placed on wear, phase, and flexibility.

Product Features:

- * Excellent mechanical phase stability
- * Ultra flexible, low loss
- * Excellent amplitude stability
- * Excellent bending properties
- * Well power handling capability

DE Series Cable Structure



1. Center conductor, 19-core silver-plated copper
2. Media, low density PTFE
3. Outer conductor, silver-plated copper strip wrapped
4. Intermediate layer, PTFE
5. Shield, silver-plated copper wire braided
6. PUR sheath



Typical applications:

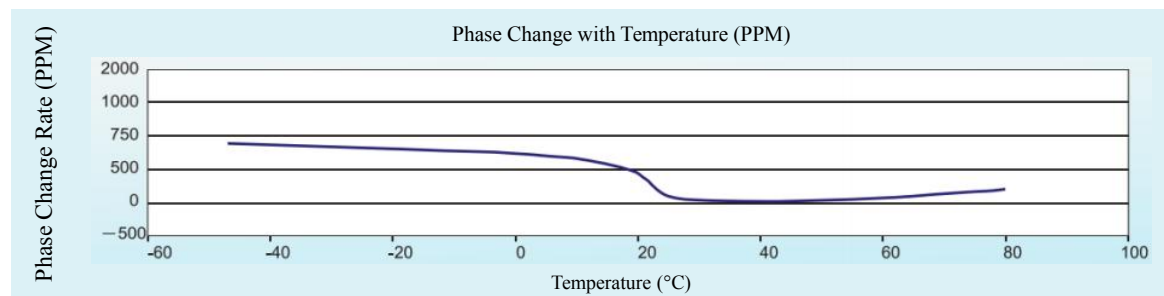
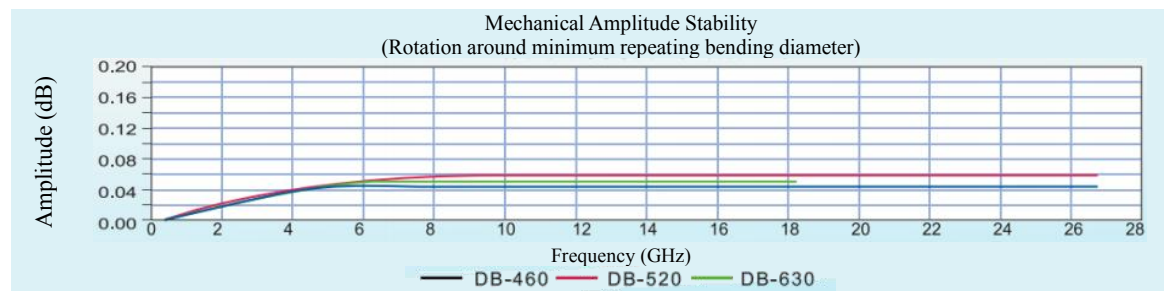
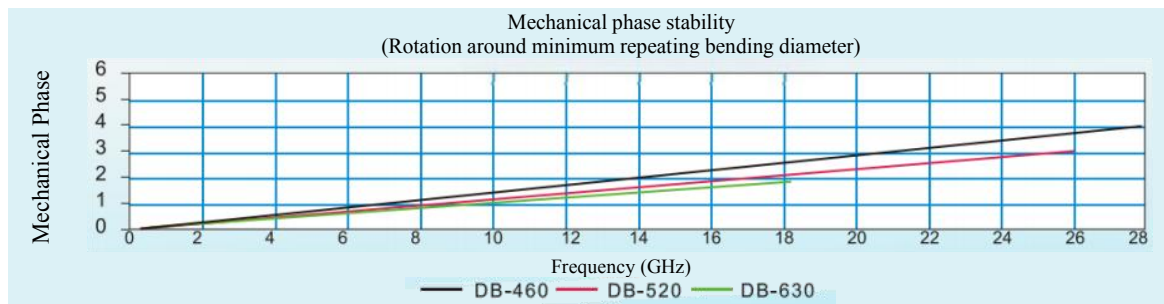
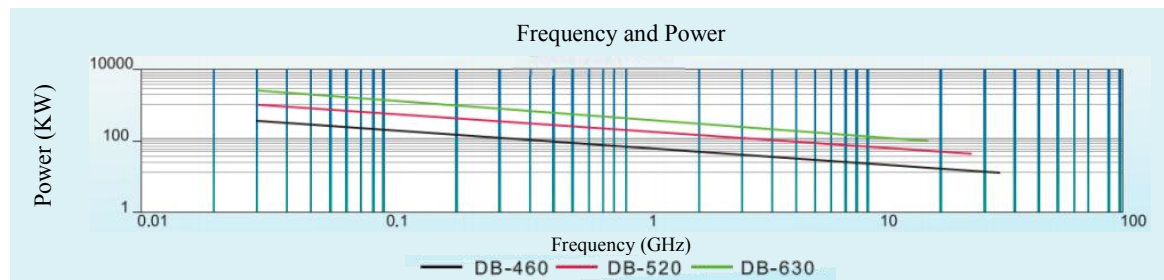
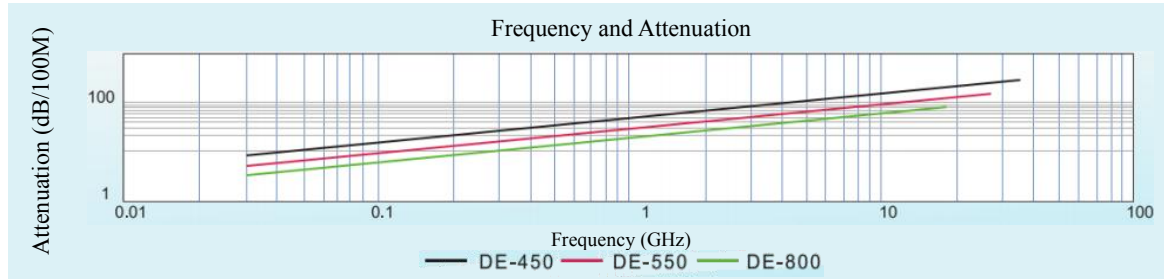
- * **Antenna seeker**
- * **Swivel hatch**
- * **Sector radar**
- * **Rotary joint**
- * **System interconnection**
- * **Radio**





Product specifications

	DE-450		DE-550		DE-800	
Physical and mechanical properties						
Size	MM		MM		MM	
Center conductor	0.91		1.44		2.30	
Dielectric medium	2.48		3.85		6.20	
Outer conductor	2.70		4.05		6.52	
Intermediate layer	2.90		4.21		6.72	
Outer shielding	3.30		4.61		7.23	
Outer sheath	4.50		5.50		8.20	
Minimum bending radius, mounting	21		28		41	
Minimum bending radius, repeating	45		55		82	
Weight	37g/m		63g/m		115g/m	
Temperature Range	T: -55°C/85°C (-67°/185°F)					
	Electrical properties					
Impedance	50 Ohms		50 Ohms		50 Ohms	
Propagation Rate	81%		83%		83%	
Dielectric constant	1.49		1.45		1.45	
Shielding efficiency	>90dB		>90dB		>90dB	
Time delay	4.06 nS/m		4.01 nS/m		4.01 nS/m	
Cut-off frequency	40 GHz		27 GHz		18 GHz	
Withstand voltage	900 DC		1500 DC		2500 DC	
Peak power	2 kW		5 kW		10 kW	
Attenuation and average power	Attenuation (+25°C. room temperature); Power (+40° room temperature, sea level, standing wave 1:1)					
Frequency (MHz)	dB/100m	kW	dB/100m	kW	dB/100m	kW
50	9.02	1.832	6.08	3.302	3.89	8.239
100	12.79	1.291	8.62	2.330	5.51	5.814
300	22.33	0.740	15.40	1.250	9.60	3.340
500	28.97	0.570	19.90	0.966	12.43	2.578
1000	41.37	0.399	28.30	0.680	17.70	1.812
2000	59.29	0.279	40.20	0.478	25.25	1.270
3000	73.36	0.225	49.50	0.388	31.13	1.030
4000	85.42	0.193	57.40	0.335	36.15	0.887
5000	96.22	0.172	64.40	0.299	40.61	0.789
6000	106.10	0.156	70.70	0.272	44.68	0.717
8000	123.96	0.133	82.13	0.234	52.00	0.617
10000	140.01	0.118	92.26	0.208	58.54	0.548
12000	154.77	0.107	101.50	0.189	64.52	0.497
15000	175.17	0.094	114.14	0.168	72.73	0.441
18000	193.99	0.085	125.68	0.153	80.27	0.399
26500	241.64	0.068	154.43	0.125		
40000	306.88	0.054				
Other frequency point attenuation	dB/100 m=K1*sqrt(FMHz)+K2*FMHz					
K1	1.2657000		0.8811000		0.5476560	
K2	0.0013435		0.0004150		0.0003772	



DE Connector and Component Information

Connector Details



Component Selection Information

DEXXX-XXXXXX-XX. XX

Cable Details

—450
—550
—800

M: Metric, M

Example: 01.20M = 1.2 meters

F: Imperial units, Ft

Example: 03.50F = 3.5 Ft

Connector type, independent on both sides

NM = Type N Male
SM = SMA Male
TM = TNC Male

Model	Cable	Description	Material No.	Material	Connection Mode
2.4-Male	DE-450	ES-A360-24M-A	05-MS002	Stainless steel	Center pin insertion / unplugging, outer conductor welding
2.92-Female	DE-450	ES-A360-KF-A	04-FS002	Stainless steel	Center pin insertion / unplugging, outer conductor welding
2.92-Male	DE-450	ES-A360-KM-B	04-MS008	Stainless steel	Center pin insertion / unplugging, outer conductor welding
SMA-Male	DE-450	TS-A360-SM-A	01-MS007	Stainless steel	Center pin welding, outer conductor welding
SMA-Male	DE-550	TS-A500-SM-A	01-MS001	Stainless steel	Center pin welding, outer conductor welding
SMA-Male	DE-800	TS-A800-SM-A	01-MS005	Stainless steel	Center pin welding, outer conductor welding
N-Mae	DE-550	TS-A500-NM-A	02-MS001	Stainless steel	Center pin welding, outer conductor welding
N-Male	DE-800	TS-A800-NM-A	02-MS002	Stainless steel	Center pin welding, outer conductor welding
TNC-Male	DE-550	TS-A500-TM-A	09-MS001	Stainless steel	Center pin welding, outer conductor welding
TNC-Male	DE-800	TS-A800-TM-A	09-MS002	Stainless steel	Center pin welding, outer conductor welding

Remark: For other types of connectors, please contact us!



Low Loss Economical RF Cable

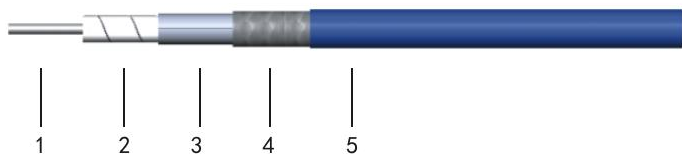


DF series RF cables are low loss economical RF cables. This cable combines the mature cable technology in the market and the performance requirements of customers for cables. Besides meeting the requirements of high-performance cables, the cost is optimized, so that the product achieves low loss and high cost performance.

Product Features:

- * Excellent amplitude stability
- * High cost performance
- * Excellent durability
- * Well shielding performance
- * Well mechanical strength
- * Well power capacity

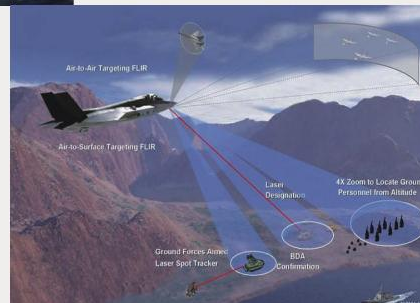
DF Series Cable Structure



1. Center conductor, silver-plated copper
2. Media, ND-PTFE
3. Outer conductor, self-adhesive aluminum foil
4. Shield, silver-plated copper wire braided
5. Light blue FEP sheath

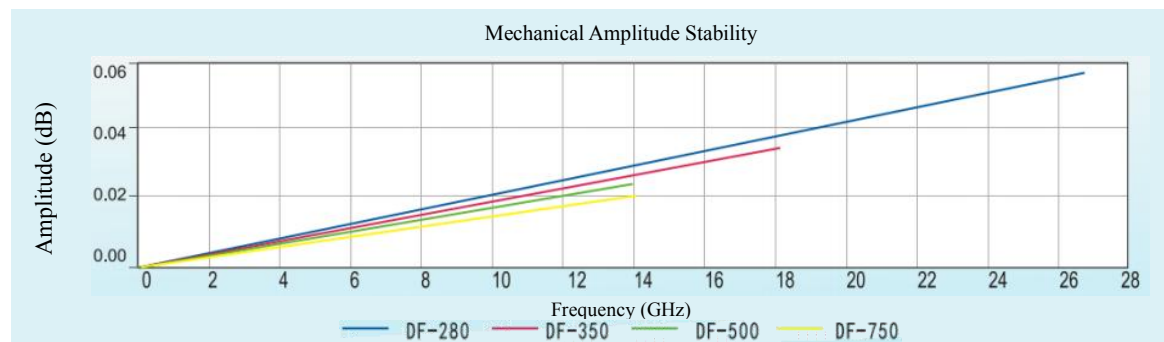
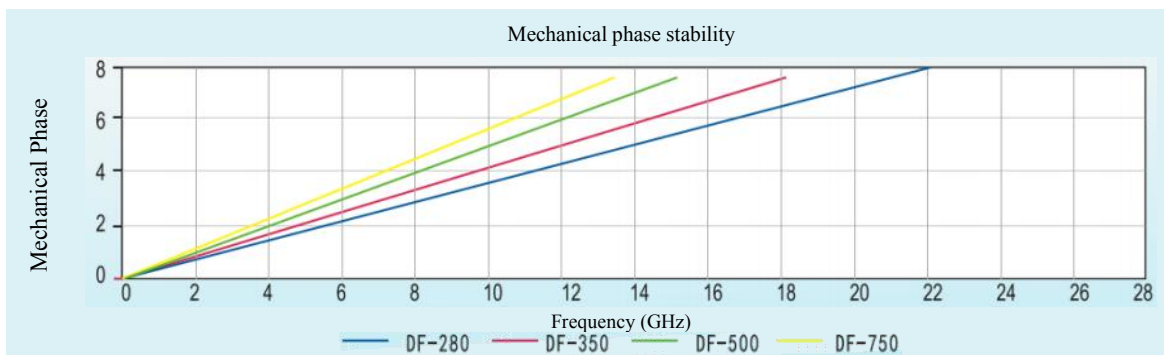
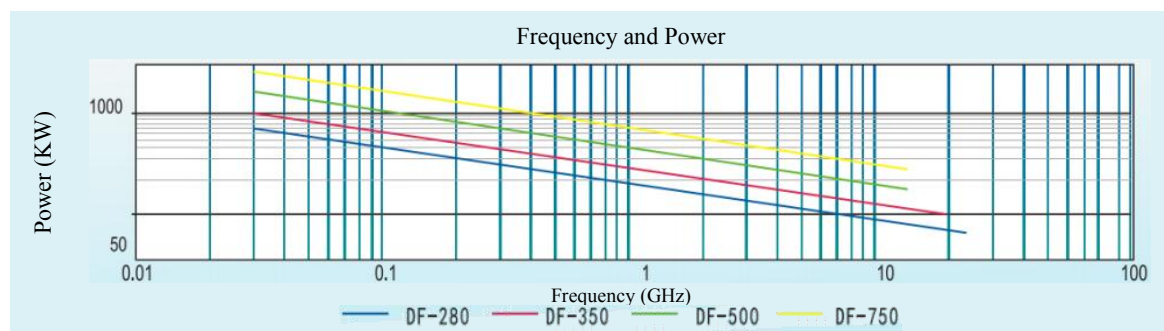
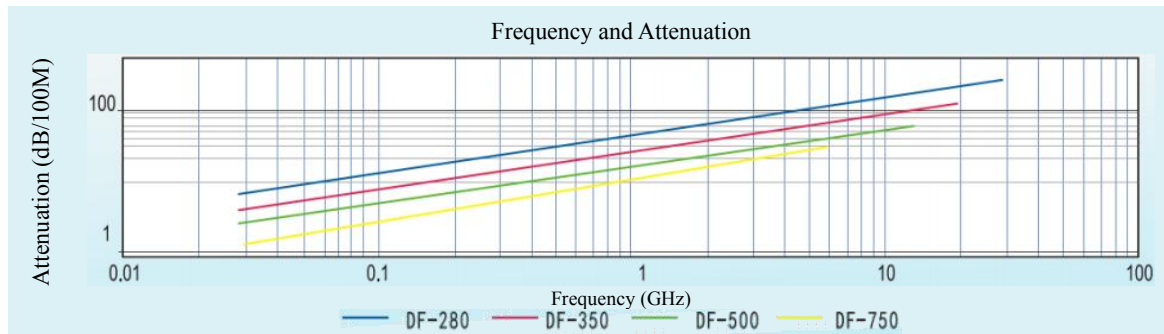
Typical applications:

- * **Electronic countermeasure platform**
- * **High power transmission cable**
- * **Test bench interconnection**
- * **Shipborne system**
- * **In cabinet system interconnection**
- * **Radio station**

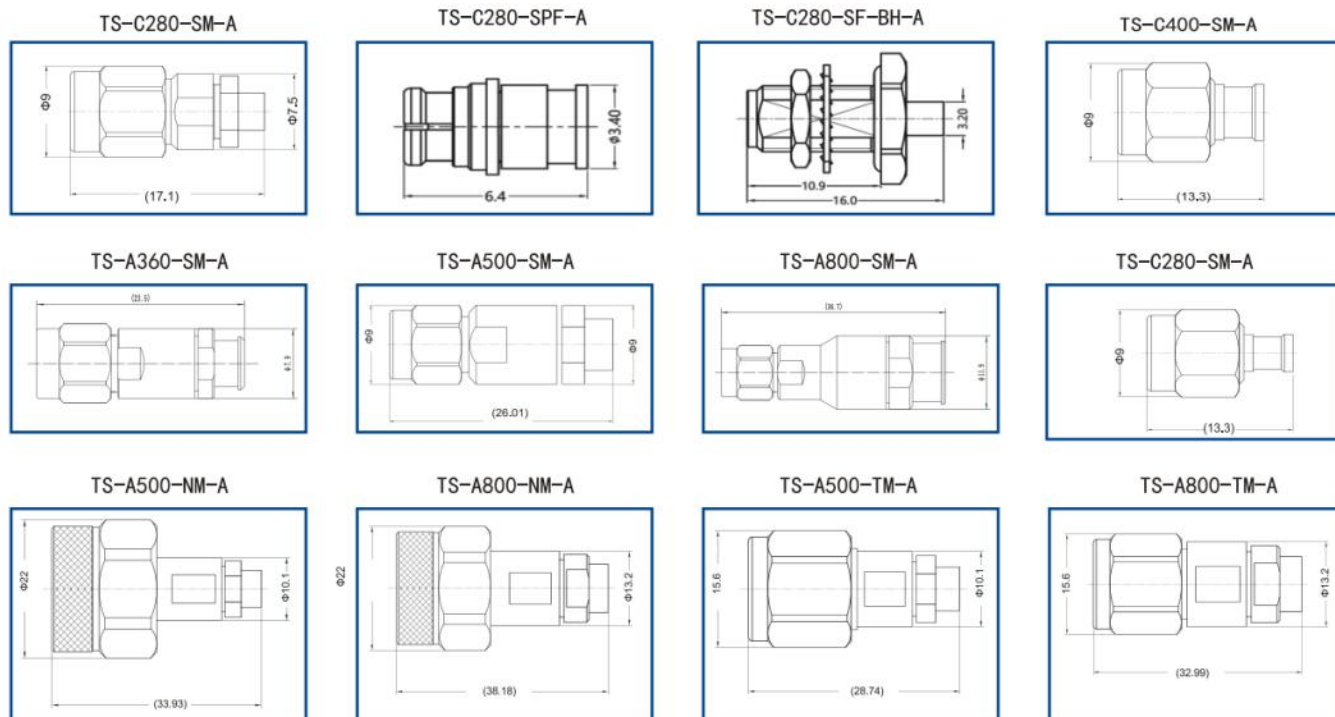


DF Product specifications

	DF-280		DF-350		DF-500		DF-750	
Physical and mechanical properties								
Size	MM		MM		MM		MM	
Center conductor	0.56		0.91		1.45		2.30	
Dielectric medium	1.60		2.60		4.30		6.70	
Outer conductor	1.68		2.76		4.38		6.80	
Outer shielding	2.00		3.15		4.78		7.33	
Outer sheath	2.60		3.50		5.20		7.80	
Minimum bending radius, mounting	13		17		26		39	
Minimum bending radius, repeating	26		35		52		78	
Weight	18g/m		29g/m		60g/m		110g/m	
Temperature Range	T: -55°C/125°C (-67°/257°F)							
Electrical properties								
Impedance	50 Ohms		50 Ohms		50 Ohms		50 Ohms	
Propagation Rate	76%		76%		76%		76%	
Dielectric constant	1.73		1.73		1.73		1.73	
Shielding efficiency	>90dB		>90dB		>90dB		>90dB	
Time delay	4.38 nS/m		4.38 nS/m		4.38 nS/m		4.38 nS/m	
Cut-off frequency	67 GHz		40 GHz		25 GHz		16 GHz	
Withstand voltage	500 DC		800 DC		1500 DC		2000 DC	
Peak power	0.6 kW		1.5 kW		5 kW		10 kW	
Attenuation and average power	Attenuation (+25°C. room temperature); Power (+40° room temperature, sea level, standing wave 1:1)							
Frequency (MHz)	dB/100m	kW	dB/100m	kW	dB/100m	kW	dB/100m	kW
50	13.08	0.465	8.47	2.098	5.13	3.552	3.21	7.850
100	18.58	0.327	12.01	1.480	7.29	2.500	4.57	5.519
300	32.54	0.187	20.91	0.850	12.76	1.428	8.03	3.141
500	42.32	0.144	27.09	0.656	16.60	1.098	10.47	2.409
1000	60.67	0.100	38.57	0.461	23.79	0.766	15.07	1.674
2000	87.44	0.070	55.06	0.323	34.29	0.532	21.83	1.155
3000	108.63	0.056	67.92	0.262	42.59	0.428	27.23	0.926
4000	126.94	0.048	78.90	0.225	49.76	0.366	31.93	0.790
5000	143.40	0.042	88.68	0.200	56.21	0.324	36.17	0.697
6000	158.55	0.038	97.60	0.182	62.14	0.293	37.32	0.717
8000	186.08	0.033	113.64	0.156	72.92	0.250	40.09	0.629
10000	211.00	0.029	127.98	0.139	82.68	0.220	47.25	0.534
12000	234.07	0.026	141.12	0.126	91.71	0.199	59.85	0.421
13500	250.43	0.024	150.36	0.118	98.11	0.186	64.18	0.393
15000	266.13	0.023	159.17	0.112				
18000	295.92	0.021	175.74	0.101				
26500	372.10	0.016						
Other frequency point attenuation	dB/100 m=K1*sqrt(FMHz)+K2*FMHz							
K1	1.8300000		1.1918394		0.7180000		0.4480000	
K2	0.0028000		0.0008800		0.0010880		0.0008980	



Connector Details



Component Selection Information

DFXXX-XXXXXX-XX.XX

Cable Details

—280
—350
—500
—750

M: Metric, M
Example: 01.20M = 1.2 meters
F: Imperial units, Ft
Example: 07.50F=7.5 Ft

Connector type, independent on both sides

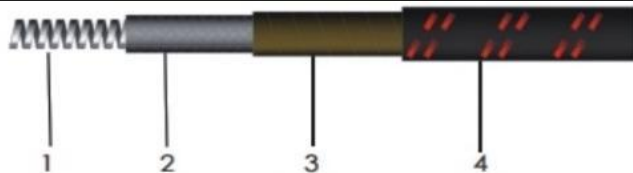
SF = SMA Female
TM = TNC Male
NM = Type N Male
SM = SMA Male

Model	Cable	Description	Material No.	Material	Connection Mode
SMA-Male	DF-280	TS-C280-SM-A	01-MS008	Stainless steel	Center pin welding, outer conductor welding
SMA-Male	DF-280	TS-C280-SM-B	01-MS012	Stainless steel	Center pin welding, outer conductor welding
SMP-Female	DF-280	TS-C280-SPF-A	07-FS001	Stainless steel	Center pin welding, outer conductor welding
N-Male	DF-350	TS-C400-NM-A	02-MS008	Stainless steel	Center pin welding, outer conductor welding
SMA-Male	DF-350	TS-C400-SM-A	01-MS010	Stainless steel	Center pin welding, outer conductor welding
SMA-Male	DF-350	TS-C400-SM-B	01-MS011	Stainless steel	Center pin welding, outer conductor welding
SMA-Male	DF-500	TS-A500-SM-A	01-MS001	Stainless steel	Center pin welding, outer conductor welding
SMA-Male	DF-800	TS-A800-SM-A	01-MS005	Stainless steel	Center pin welding, outer conductor welding
N-Mae	DF-500	TS-A500-NM-A	02-MS001	Stainless steel	Center pin welding, outer conductor welding
N-Male	DF-800	TS-A800-NM-A	02-MS002	Stainless steel	Center pin welding, outer conductor welding
TNC-Male	DF-500	TS-A500-TM-A	09-MS001	Stainless steel	Center pin welding, outer conductor welding
TNC-Male	DF-800	TS-A800-TM-A	09-MS002	Stainless steel	Center pin welding, outer conductor welding

Remark: For other types of connectors, please contact us!

Armor Scheme

High-Performance Armor Scheme



1. Inner armor: Stainless steel spring steel belt
2. Enhanced braided layer: Silver-plated copper wire
3. Anti-twist layer: Polyimide
4. Outer sheath PTFE

Product Features

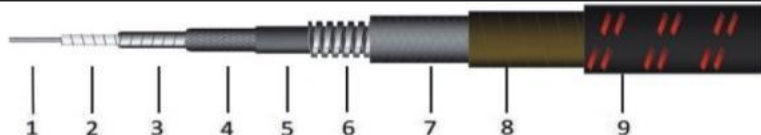
Flexible, waterproof
Pressure and torsion resistant
UV-resistant, flame-retardant
High temperature and corrosion resistance

Typical Applications

Lab test protection
Field test protection
Radar, vehicle connectivity protection
Shipborne and shipborne cabin protection

Product No.	K2-500	K2-640	K2-780	K2-1050
Structure size	mm	mm	mm	mm
Inner diameter of steel strip	3.00	4.00	5.50	8.50
Outer diameter of steel strip	3.60	4.80	6.40	9.30
Braided layer	3.95	5.35	7.00	9.87
Outer diameter of anti-twist layer	4.10	5.40	7.05	10.00
Outer sheath	4.70	6.40	7.80	10.90
Minimum Bending Radius	15	35	40	65
Compressive strength (N/mm ²)	1500	1500	1500	1500
Compatible Cable	DA-220/DB-230-P Gore 3506	DA-360/DB-360-P Gore 3507	DA-500 Gore 3449	DA-800 Gore 3450
Temperature Range	-55℃—+200℃			

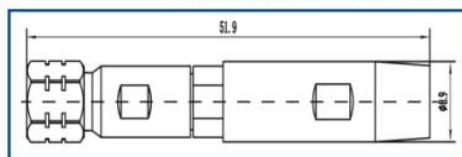
Armored Cable Structure



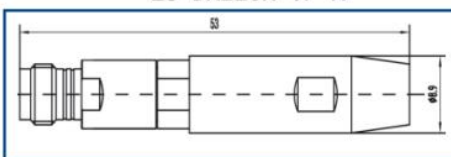
1. Center conductor
2. Media
3. Outer conductor
4. Shielding layer
5. Cable outer sheath
6. Inner armor
7. Braided layer
8. Anti-twist layer
9. Armor outer sheath

Adapter Connector

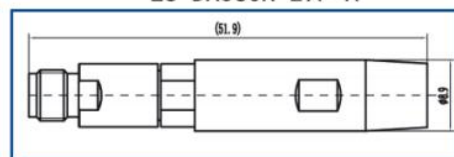
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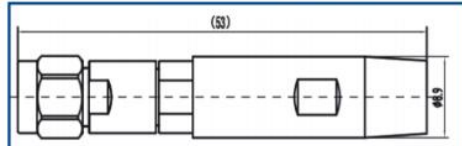
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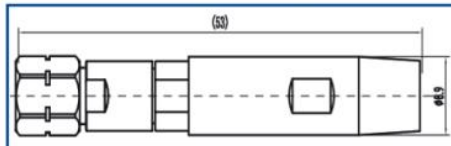
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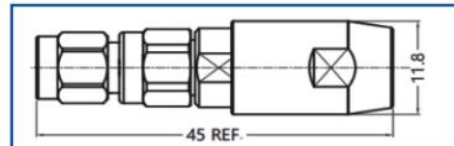
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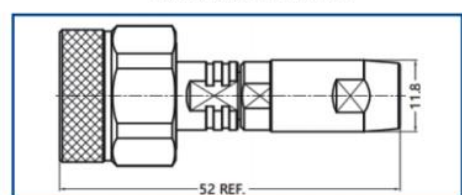
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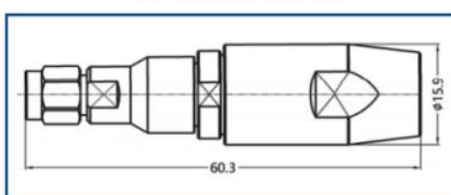
TS-DA500K-SM-A



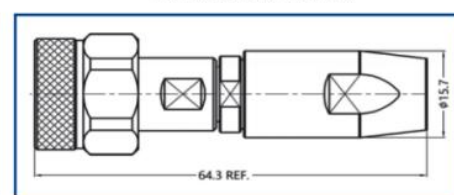
TS-DA500K-NM-A



TS-DA800K-SM-A

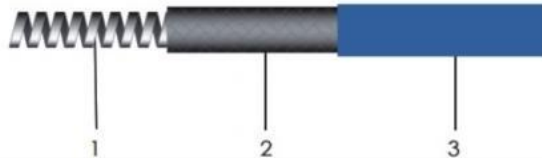


TS-DA800K-NM-A



Armor Scheme

Super flexible armor scheme



1. Inner armor: Stainless steel spring steel belt
2. Enhanced braided layer: Silver-plated copper wire
3. Outer sheath Blue PUR

Product Features

Ultra soft, waterproof
Pressure and torsion resistant
Abrasion resistant

Typical Applications

Field test protection
Radar, vehicle connectivity protection
Shipborne and shipborne cabin protection

Product No.	K3-660	K3-880	K3-1200
Structure size	mm	mm	mm
Inner diameter of steel strip	4.00	5.50	8.50
Outer diameter diameter of steel strip	4.80	6.50	9.30
Braided layer	5.35	7.10	9.87
Outer sheath	6.60	8.80	11.90
Minimum Bending Radius	40	55	65
Compressive strength (N/mm ²)	2000	2000	2000
Compatible Cable	DA-360 Gore 3507	DA-500 Gore 3449	DA-800 Gore 3450
Temperature Range	-55°C—+85°C		

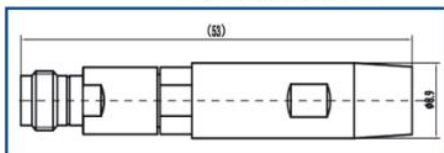
Armored Structure



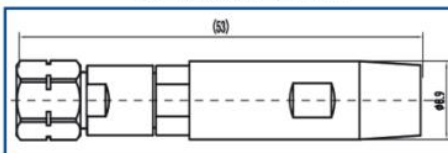
1. Center conductor
2. Media
3. Outer conductor
4. Shielding layer
5. Cable outer sheath
6. Inner armor
7. Braided layer
8. Armor outer sheath

Adapter Connector

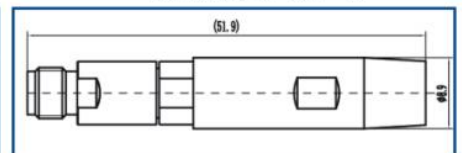
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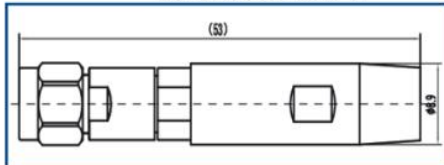
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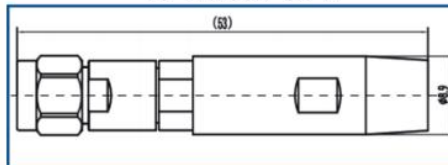
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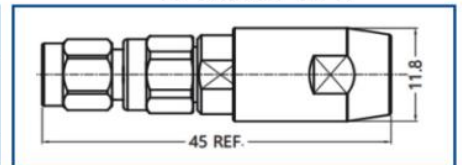
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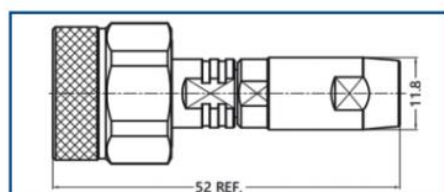
TS-DA360K-SM-A



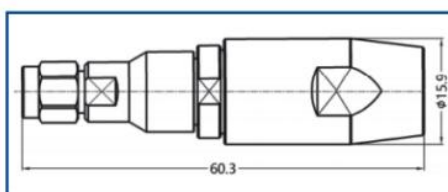
TS-DA500K-SM-A



TS-DA500K-NM-A



TS-DA800K-SM-A



TS-DA800K-NM-A

