

1.85mm Armored Flex RF Cable

TCA185A060 is 60cm high-frequency coaxial cable designed for precision signal transmission up to 67 GHz. With triple shield and spring-armored, it features low loss, excellent shielding, and stable phase performance. The spring-armored shield also makes such cable flexible and maintains excellent performance under bending. Cable length can be customized.



Features

- Low Loss
- Low VSWR
- Bend-resistant
- Vibration-resistant

Applications

- RF Component Testing
- RF System Integration
- Laboratory Testing
- Chamber Testing

Mechanical Properties

Parameter	Value
Length	60 cm
Dynamic Bending Radius	48 mm
Static Bending Radius	24 mm
Mechanical Phase Stability	±7°
Amplitude Stability	±0.05 dB
Weight	0.052 kg/m

TCA185A060 TIMWAVE

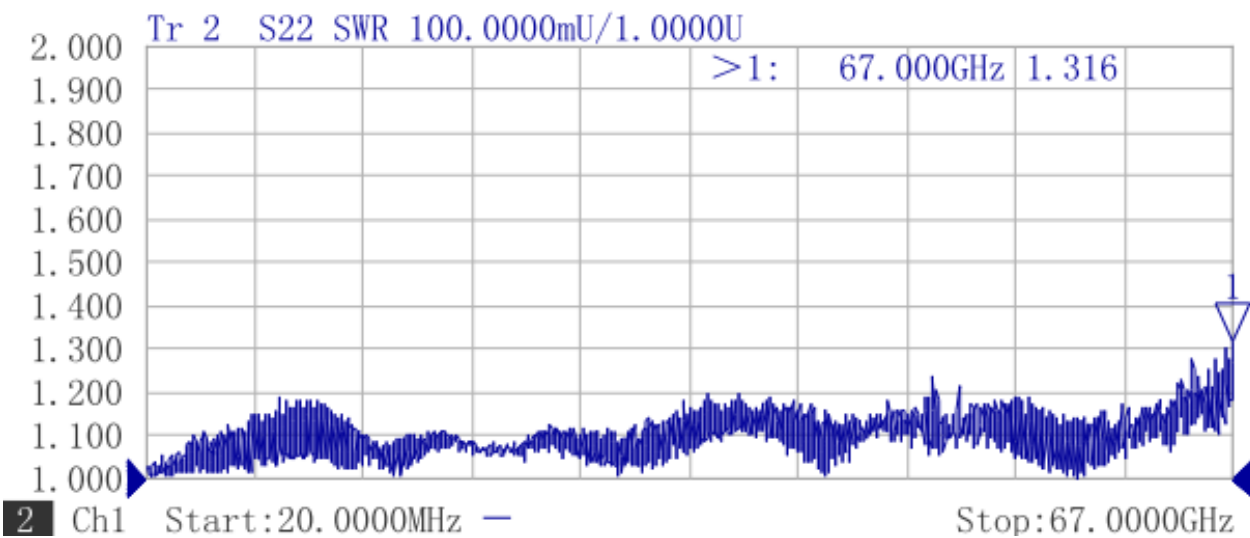
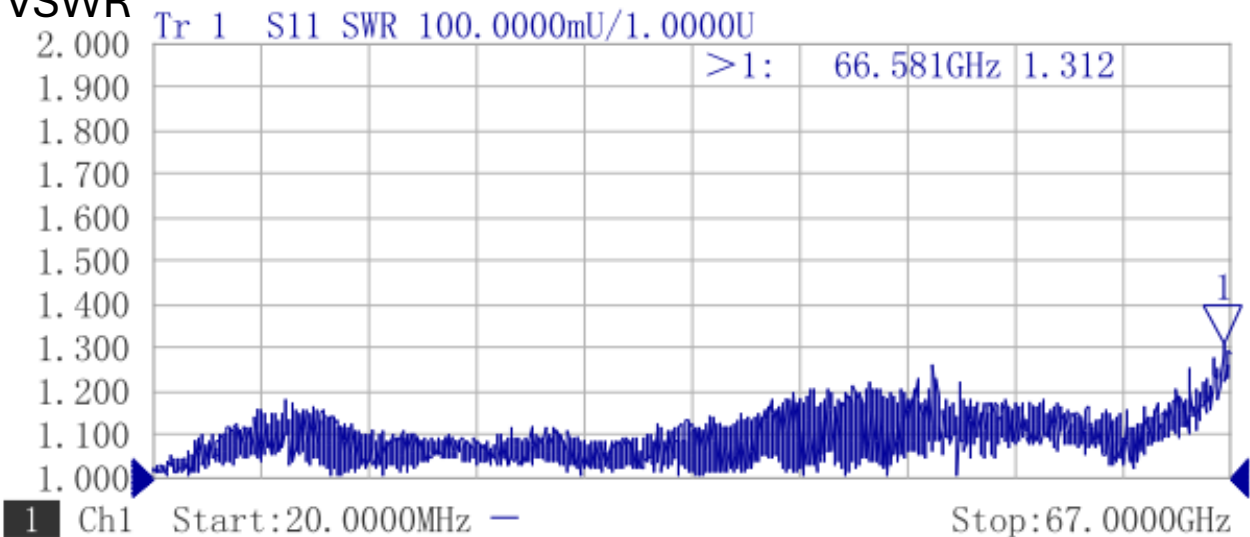
Specification

Parameter	Frequency (GHz)	Min.	Typ.	Max	Units
Insertion Loss	DC – 2	0.2	0.3	0.5	dB
	2 – 6	0.4	0.6	0.9	
	6 –10	0.7	0.9	1.3	
	10 –18	1	1.3	1.8	
	18 - 26.5	1.5	1.9	2.5	
	26.5- 40	2.1	2.6	3.3	
	40-50	2.8	3.3	4.0	
	50-67	3.3	3.8	4.6	
Return Loss	DC – 2	19.7	21.7	24.7	dB
	2 – 6	18.7	20.7	23.7	
	6 – 10	17.6	19.6	22.6	
	10 – 18	16.5	18.5	21.5	
	18 – 26.5	15.5	17.5	20.5	
	26.5 – 40	14.7	16.7	19.7	
	40 – 50	13.9	15.9	18.9	
	50 – 67	13.3	15.3	18.3	
Flexing Durability		100,000 times			
Temperature		-55°C to +125°C			

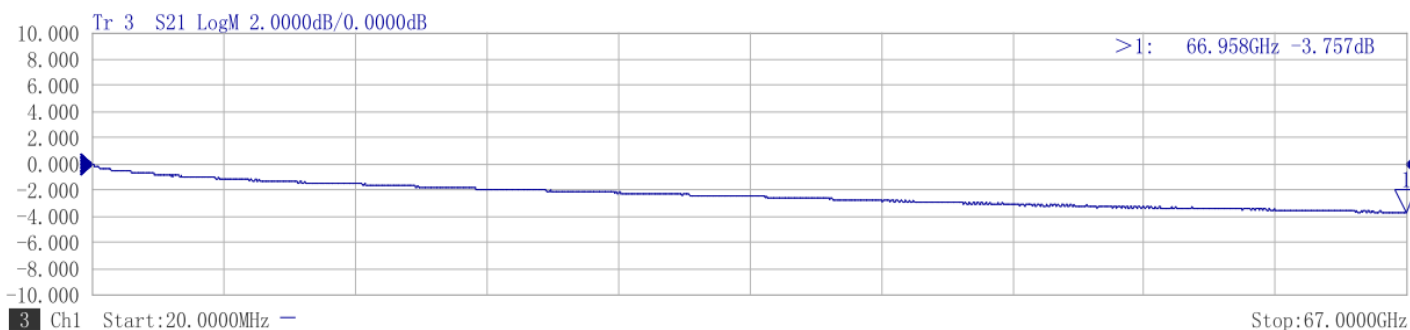
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Typical Measured Data

VSWR

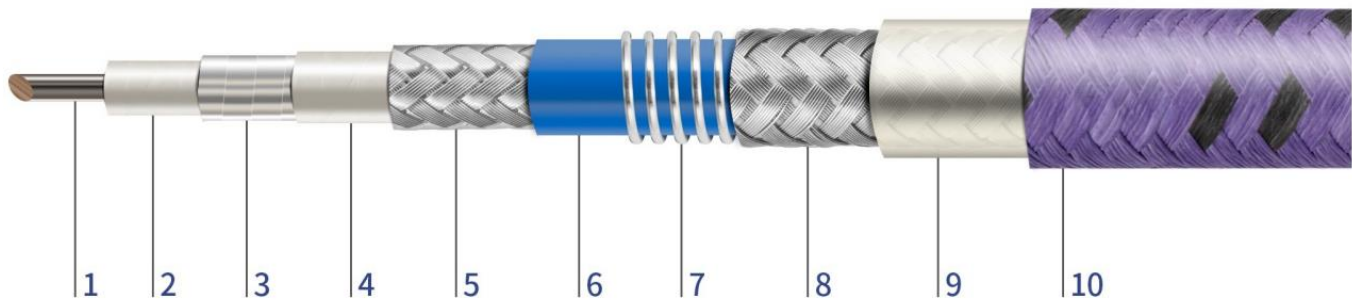


Insertion Loss



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Cable Construction & Materials



Section	Component	Diameter (mm)	Material
1–6	Cable	2.45	FEP
7–8	Shielding Layer	3.60	Silver-plated Copper
9–10	Outer Jacket	4.80	PTFE

Information:

For sales and support, please contact: info@timave.com

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