

2.92mm Armored Flex RF Cable

TCA292A060 is 60cm high-frequency coaxial cable designed for precision signal transmission up to 40 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	67 mm
Static Bending Radius	33.5 mm
Mechanical Phase Stability	±7°
Amplitude Stability	±0.05 dB
Weight	0.110 kg/m

TCA292A060 TIMWAVE

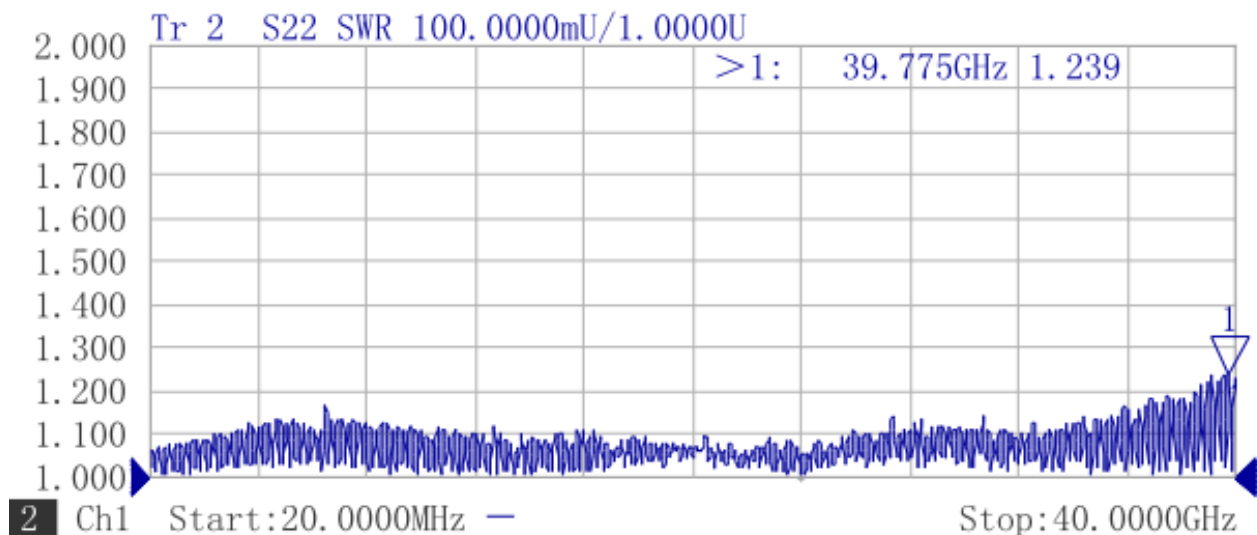
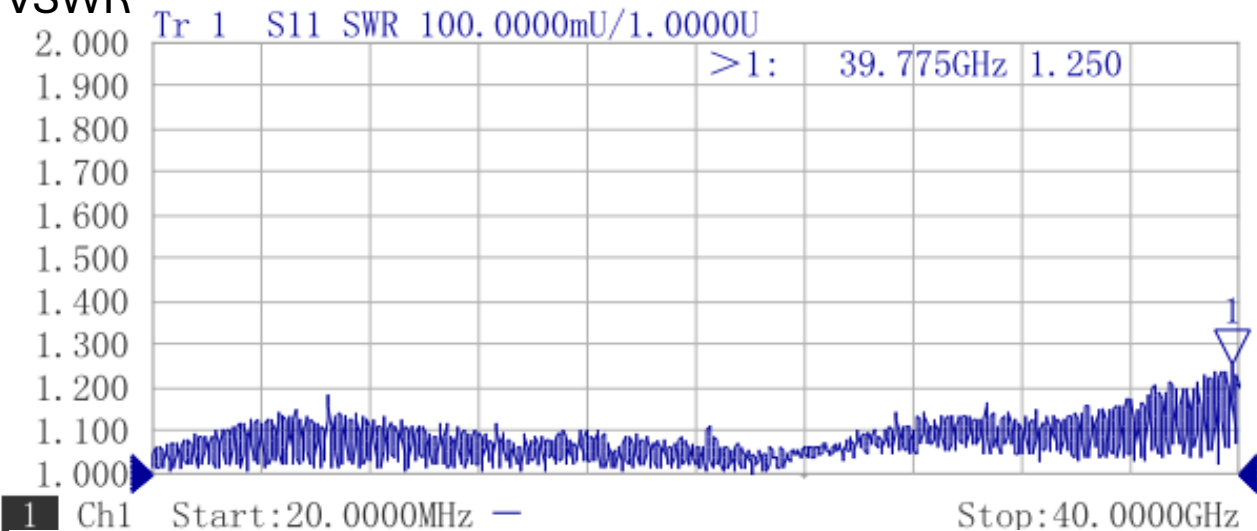
Specification

Parameter	Frequency Range (GHz)	Min	TYP	Max	Units
Insertion Loss	DC – 2	0.1	0.21	0.43	dB
	2 – 6	0.4	0.42	0.72	
	6 – 10	0.6	0.64	1.2	
	10 – 18	0.7	1.0	1.5	
	18 – 26.5	1.1	1.4	2.1	
	26.5 – 40	1.7	1.93	2.4	
Return Loss	DC – 2	24.9	27	30	dB
	2 – 6	23.1	25	28	
	6 – 10	21.6	23.5	26.5	
	10 – 18	20.5	22	25	
	18 – 26.5	19.2	21	24	
	26.5 – 40	19.1	20.4	22.5	
Durability		100,000 times			
Temperature		55°C ~ +125°C			

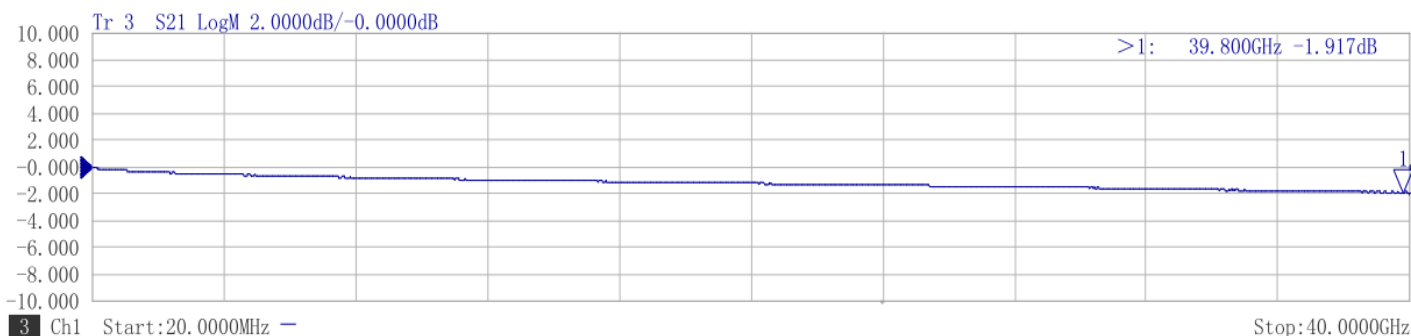
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Typical Measured Data

VSWR

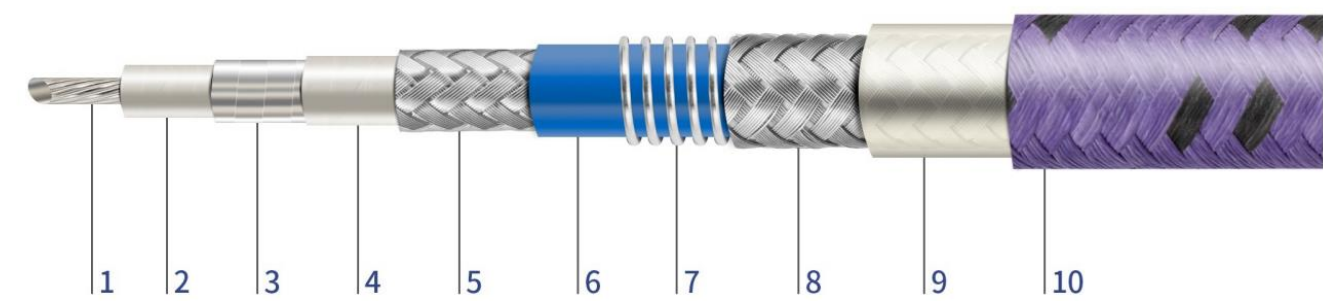


Insertion Loss



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Cable Structure & Materials



Section	Component	Diameter (mm)	Material
1–6	Cable	4.2	FEP
7–8	Shielding Layer	5.75	Silver-plated Copper
9–10	Outer Jacket	6.7	PTFE

Information:

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

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