

2.92mm Premium RF Cable

TCA292N060 is 60cm high-frequency coaxial cable designed for precision signal transmission up to 40 GHz.

With double shield, it features low loss, excellent shielding, and stable phase performance. Ideal for RF testing and microwave modules, it offers durability, flexibility, and high reliability across harsh environments and demanding applications. 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	42 mm
Static Bending Radius	21 mm
Weight	0.04 kg/m

TCA292N060 TIMWAVE

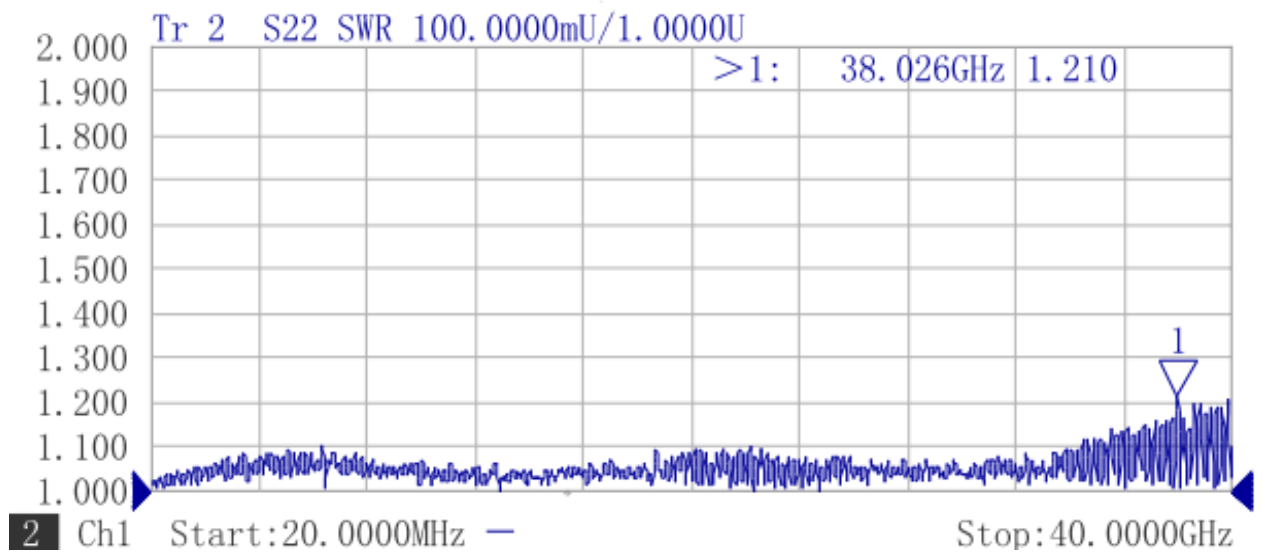
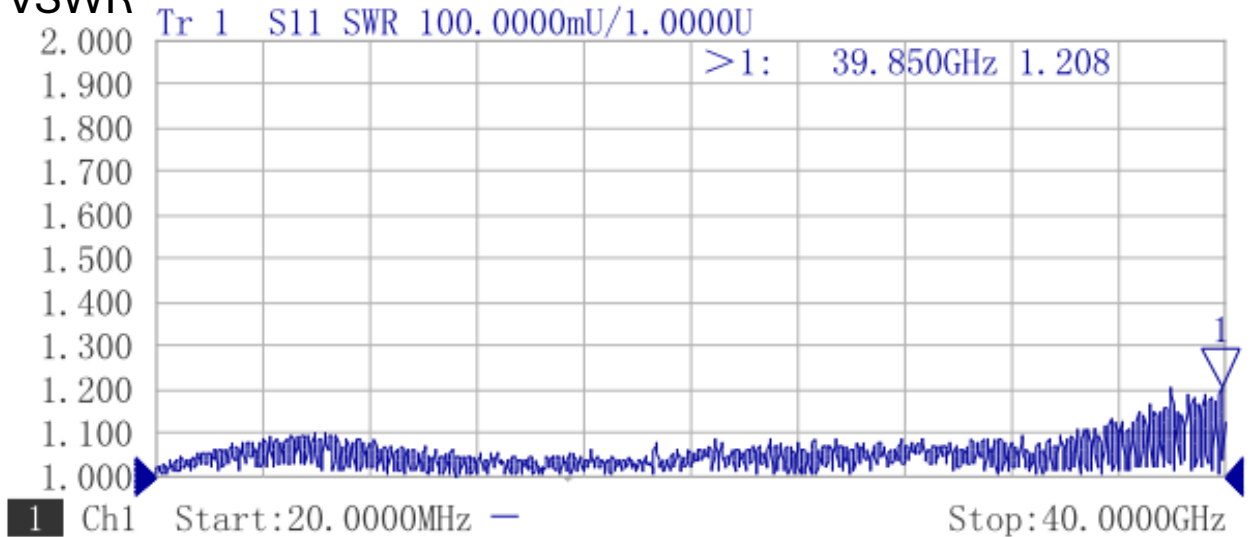
Specification

Parameter	Frequency Range (GHZ)	Min	TYP	Max	Units
Insertion Loss	DC – 2	0.1	0.2	0.4	dB
	2 – 6	0.3	0.4	0.7	
	6 – 10	0.5	0.6	1	
	10 – 18	0.7	0.9	1.4	
	18 – 26.5	1	1.3	2	
	26.5 – 40	1.6	1.8	2.2	
Return Loss	DC – 2	24.2	29.2	27	dB
	2 – 6	23	24	25.3	
	6 – 10	22.6	24.5	26	
	10 – 18	21.5	21	25	
	18 – 26.5	19.0	21.2	22.3	
	26.5 – 40	19.0	20.2	22.5	
Durability		100,000 times			
Temperature		-55°C to +165°C			

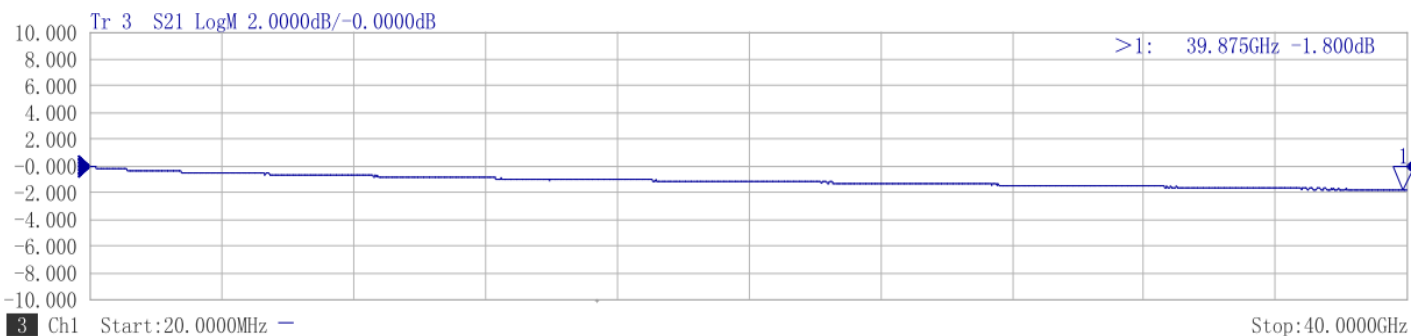
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Typical Measured Data

VSWR

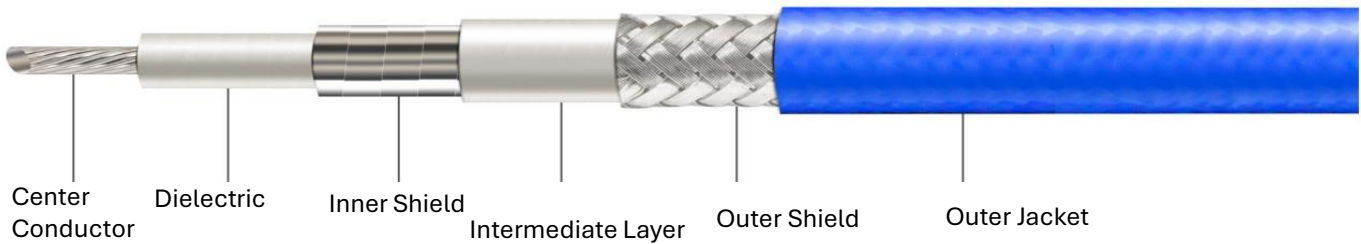


Insertion Loss



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Cable Structure & Materials



Structure Component	Size (mm)	Material
Center Conductor	1.02	Silver-plated copper-clad conductor
Dielectric	2.8	Low-density PTFE
Inner Shield	2.95	Silver-plated copper tape
Intermediate Layer	3.2	Low-density PTFE
Outer Shield	3.62	Silver-plated copper wire
Outer Jacket	4.2	Blue FEP

Information:

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

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