

3.5mm Premium RF Cable

TCA350N050 is 50cm high-frequency coaxial cable designed for precision signal transmission up to 26.5 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	50 cm
Dynamic Bending Radius	51 mm
Static Bending Radius	25.5 mm
Weight	0.055 kg/m

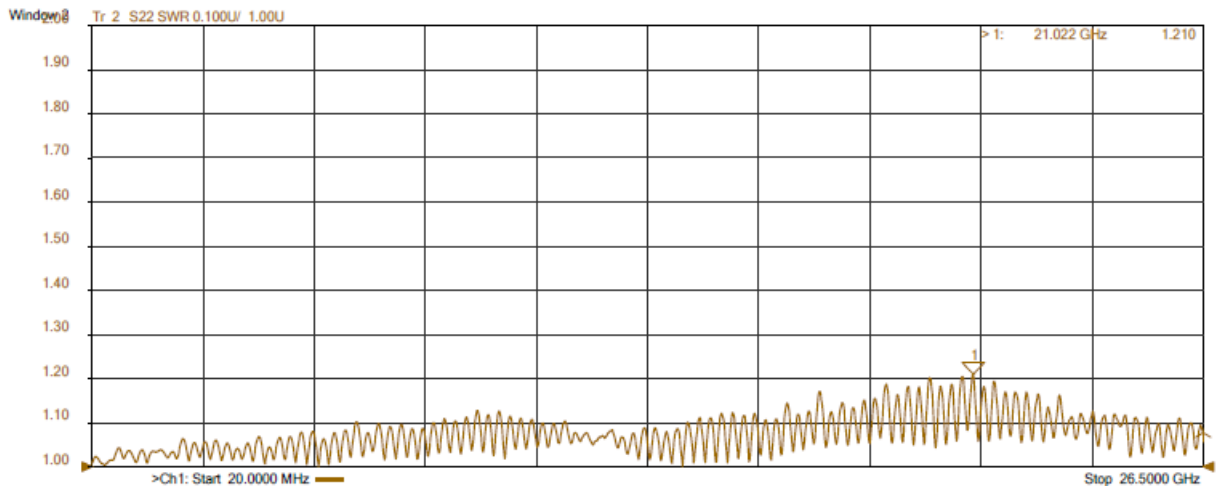
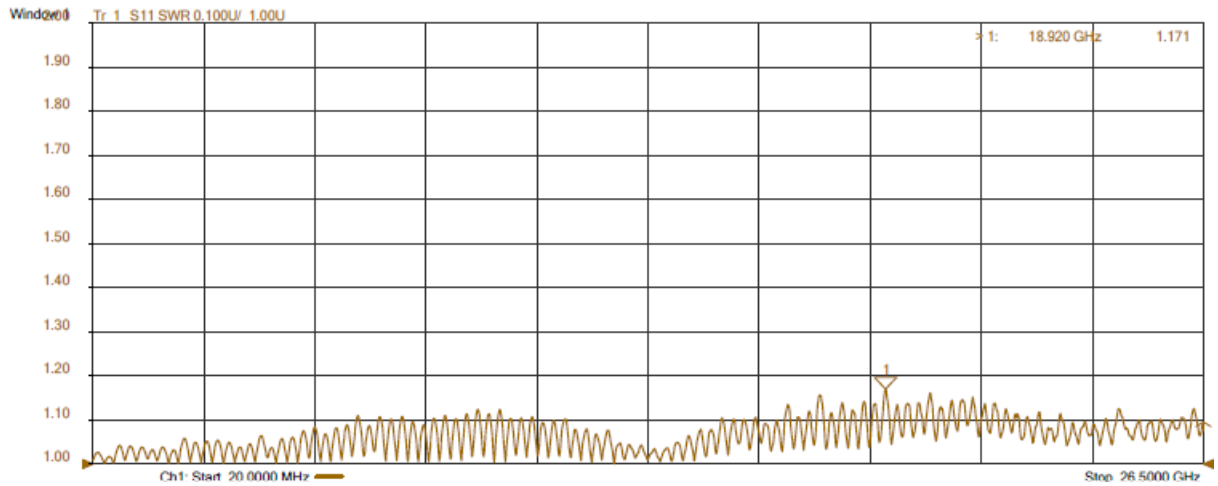
TCA350N050 TIMWAVE

Specification

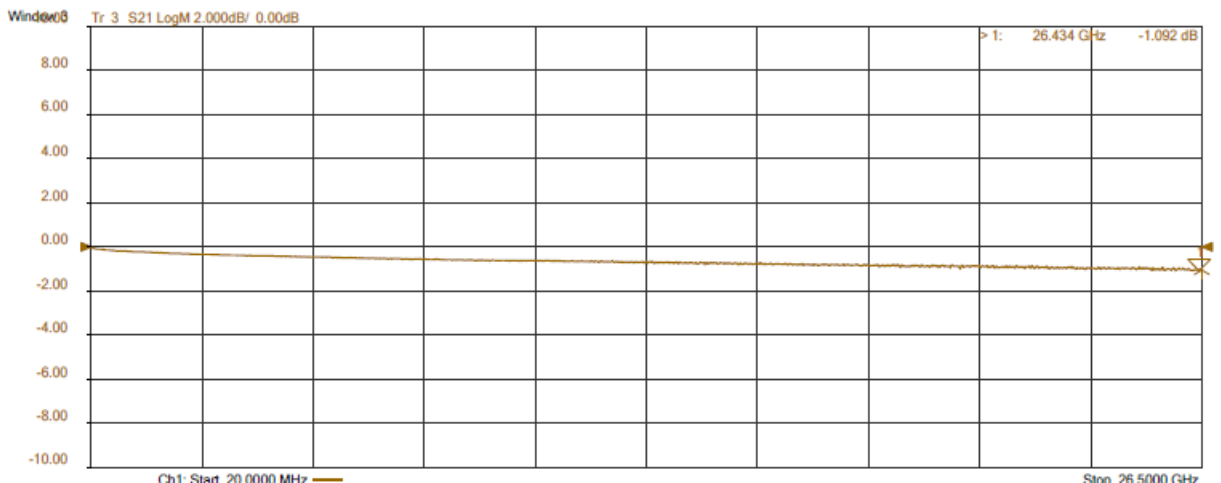
Parameter	Frequency Range (GHZ)	Min	TYP	Max	Units
Insertion Loss	DC – 2	0.1	0.2	0.4	dB
	2 – 6	0.3	0.4	0.7	
	6 – 10	0.5	0.5	0.9	
	10 – 18	0.7	0.7	1.4	
	18 – 26.5	1	1.1	1.5	
Return Loss	DC – 2		29		dB
	2 – 6		24		
	6 – 10		24		
	10 – 18		21		
	18 – 26.5		21		
Durability		100,000 times			
Temperature		-55°C to +165°C			

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Typical Measured Data VSWR

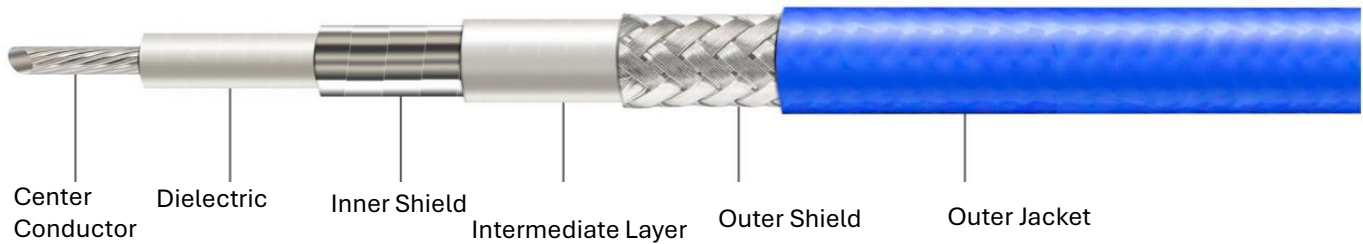


Insertion Loss



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Cable Structure & Materials



Structure Component	Size (mm)	Material
Center Conductor	1.44	Silver-plated copper-clad conductor
Dielectric	3.85	Low-density PTFE
Inner Shield	4.05	Silver-plated copper tape
Intermediate Layer	4.3	Low-density PTFE
Outer Shield	4.65	Silver-plated copper wire
Outer Jacket	5.1	Blue FEP

Information:

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

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