

3.5mm Armored Flex RF Cable

TCA350A100 is 60cm high-frequency coaxial cable designed for precision signal transmission up to 26.5 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	100 cm
Dynamic Bending Radius	76 mm
Static Bending Radius	38 mm
Mechanical Phase Stability	$\pm 5^\circ$
Amplitude Stability	± 0.05 dB
Weight	0.135 kg/m

TCA350A100 TIMWAVE

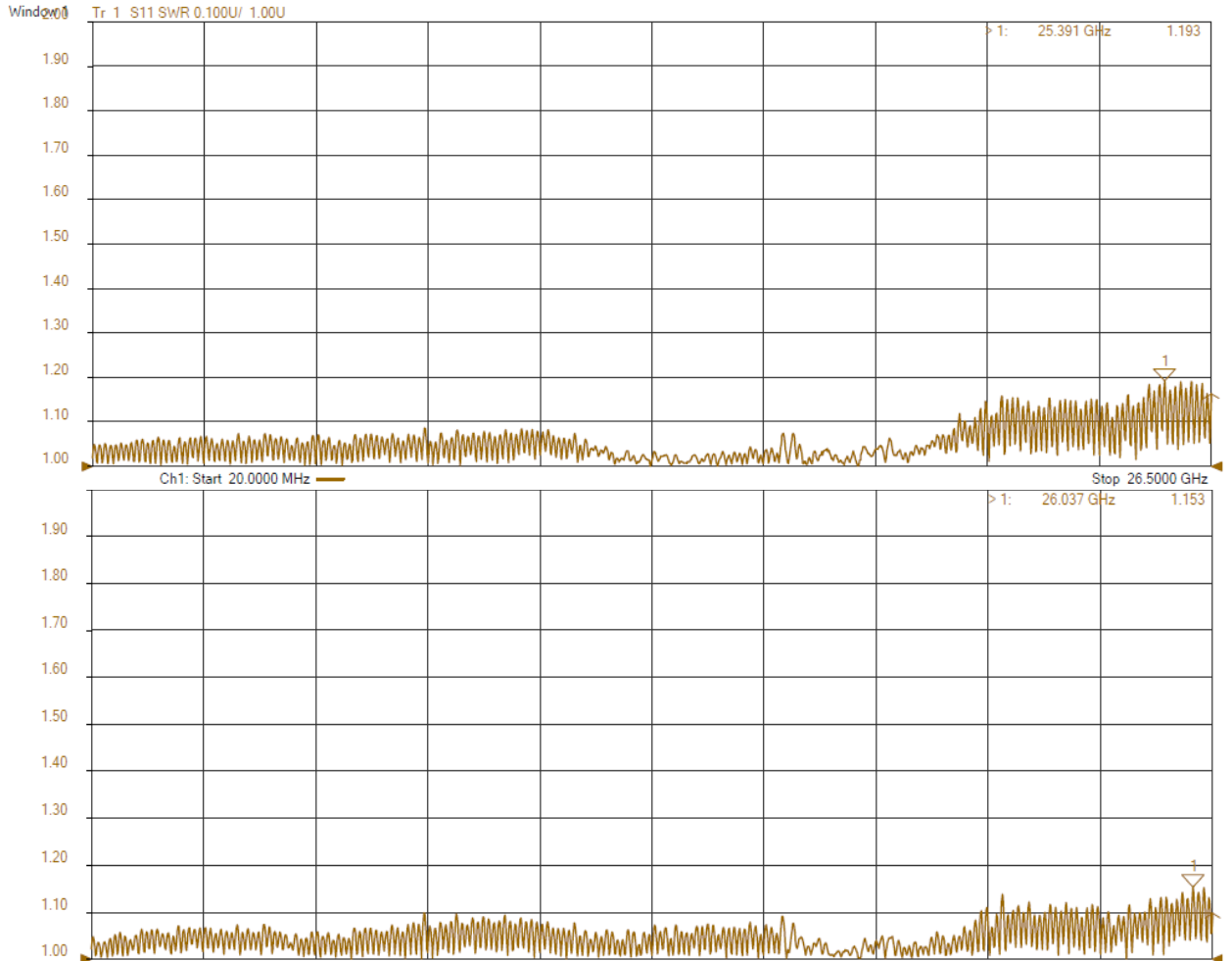
Specification

Parameter	Frequency Range (GHz)	Min	TYP	Max	Units
Insertion Loss	DC – 2	0.4	0.4	0.7	dB
	2 – 6	0.6	0.6	1.2	
	6 – 10	0.7	1.0	1.5	
	10 – 18	1.1	1.3	2.0	
	18 – 26.5	1.6	1.8	2.3	
Return Loss	DC – 2		27		dB
	2 – 6		25		
	6 – 10		23		
	10 – 18		22		
	18 – 26.5		21		
Durability		100,000 times			
Temperature		55°C ~ +125°C			

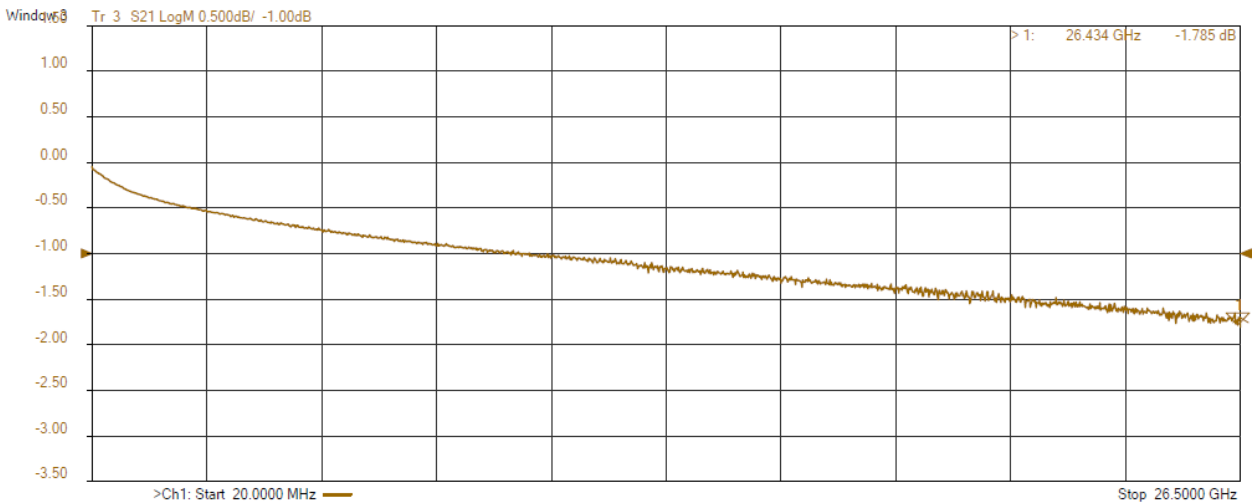
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Typical Measured Data

VSWR

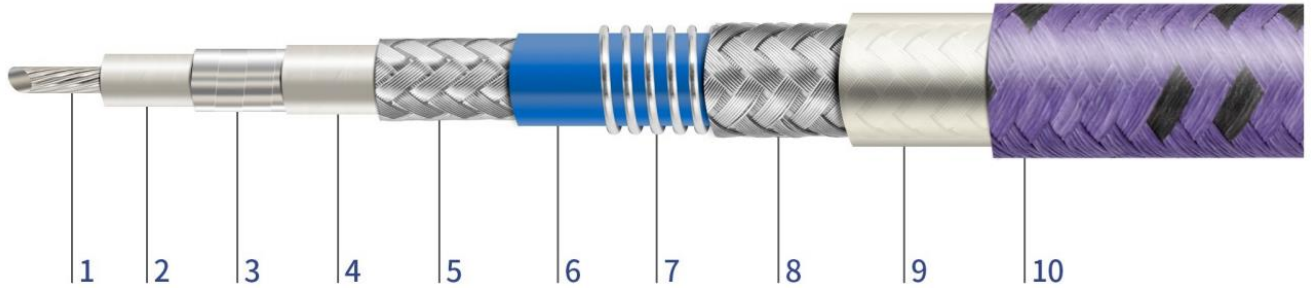


Insertion Loss



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Cable Structure & Materials



Section	Component	Diameter (mm)	Material
1-6	Cable	5.1	FEP
7-8	Shielding Layer	6.7	Silver-plated Copper
9-10	Outer Jacket	7.6	PTFE

Information:

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

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