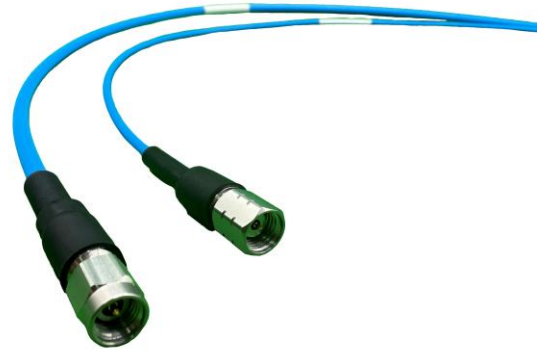


1.85mm Premium RF Cable

TCA185N060 is 60cm high-frequency coaxial cable designed for precision signal transmission up to 67 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 | 24.5 mm |
| Static Bending Radius | 12.5 mm |
| Weight | 0.016 kg/m |

TCA185N060 TIMWAVE

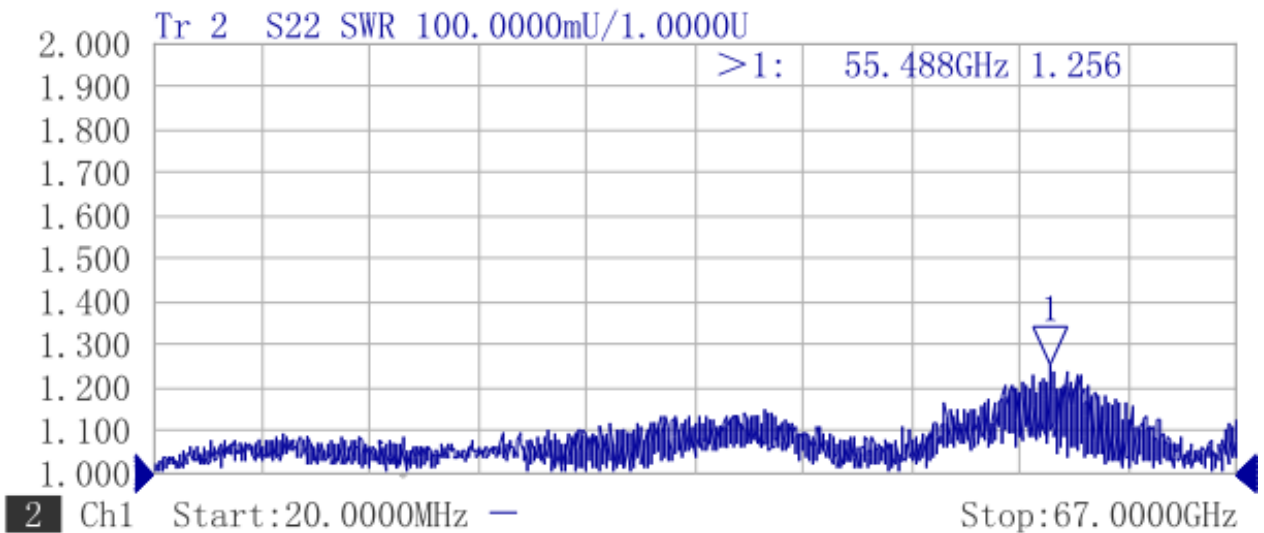
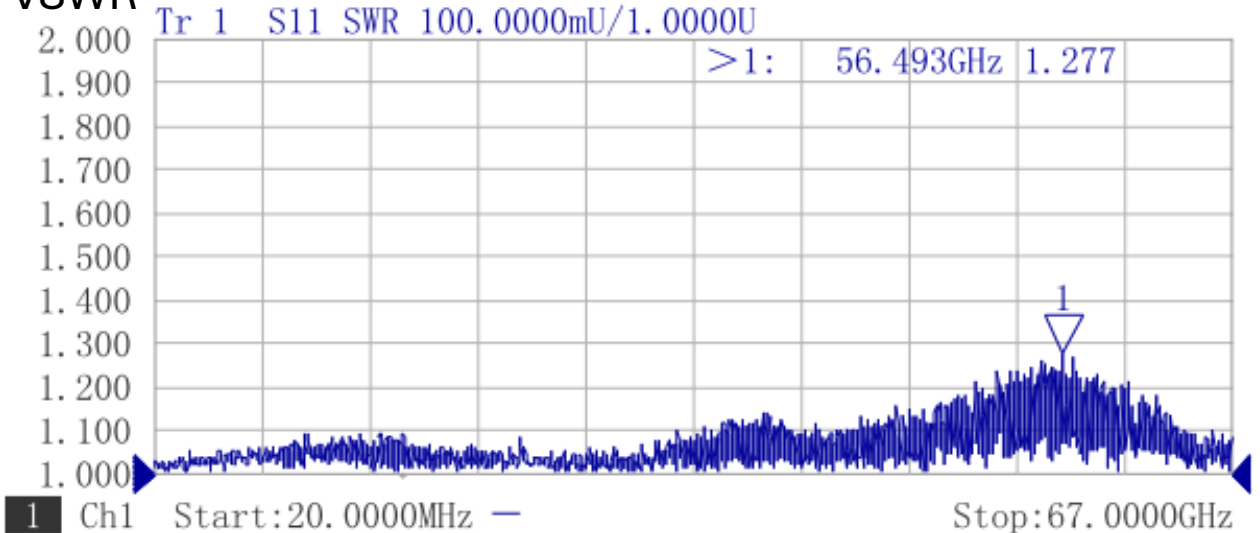
Specification

| Parameter | Frequency (GHz) | Min. | Typ. | Max | Units |
|--------------------|-----------------|-----------------|------|------|-------|
| Insertion Loss | DC – 2 | 0.2 | 0.3 | 0.5 | dB |
| | 2 – 6 | 0.5 | 0.6 | 0.9 | |
| | 6 – 10 | 0.7 | 1.0 | 1.3 | |
| | 10 – 18 | 1.1 | 1.4 | 1.8 | |
| | 18 – 26.5 | 1.5 | 2.0 | 2.5 | |
| | 26.5 – 40 | 2.1 | 2.6 | 3.3 | |
| | 40 – 50 | 2.8 | 3.4 | 4.0 | |
| | 50 – 67 | 3.7 | 4.0 | 4.6 | |
| Return Loss | DC – 2 | 18.7 | 20.6 | 23.6 | dB |
| | 2 – 6 | 17.7 | 19.7 | 22.1 | |
| | 6 – 10 | 16.6 | 18.6 | 21.8 | |
| | 10 – 18 | 16.5 | 17.5 | 20.4 | |
| | 18 – 26.5 | 12.5 | 14.3 | 18.5 | |
| | 26.5 – 40 | 12.7 | 13.7 | 17.7 | |
| | 40 – 50 | 11.9 | 12.9 | 16.9 | |
| | 50 – 67 | 12.3 | 12.3 | 16.4 | |
| Flexing Durability | | 100,000 times | | | |
| Temperature | | -55°C to +125°C | | | |

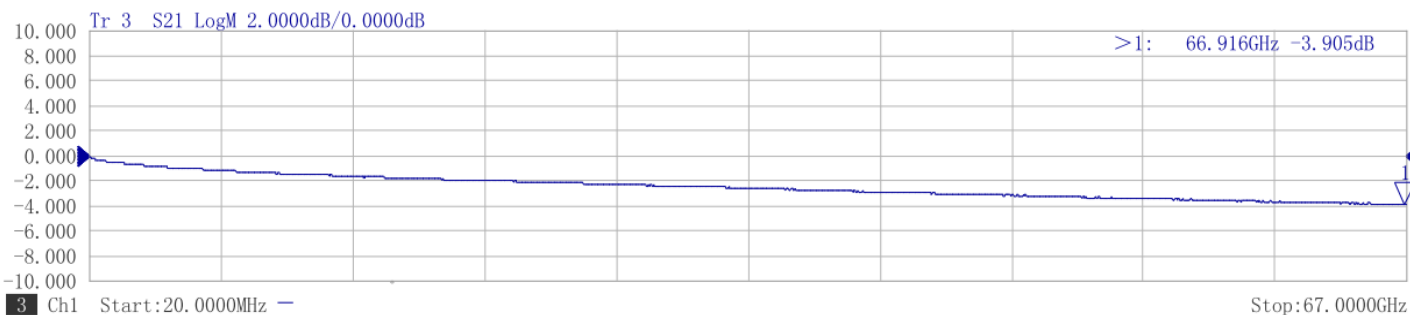
TCA185N060 TIMWAVE

Typical Measured Data

VSWR

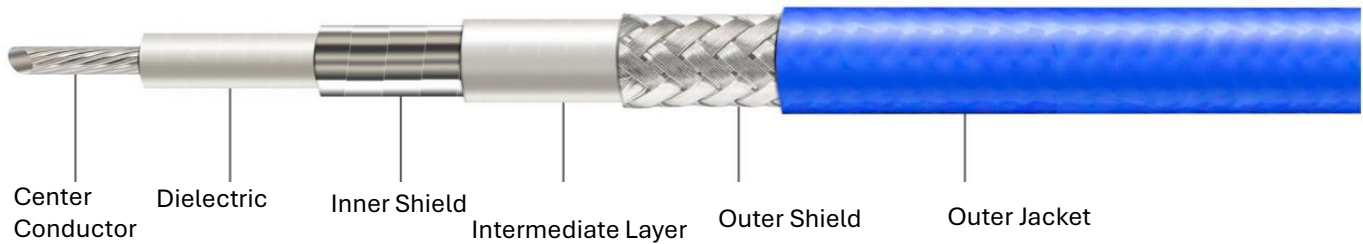


Insertion Loss



TCA185N060 TIMWAVE

Cable Construction & Materials



| Structure Component | Size (mm) | Material |
|---------------------|-----------|-------------------------------------|
| Center Conductor | 0.5 | Silver-plated copper-clad conductor |
| Dielectric | 1.38 | Low-density PTFE |
| Inner Shield | 1.54 | Silver-plated copper tape |
| Intermediate Layer | 1.82 | Low-density PTFE |
| Outer Shield | 2.17 | Silver-plated copper wire |
| Outer Jacket | 2.45 | Blue FEP |

Information:

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

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