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Datasheet

CAB.0102

Description:

SMA(F)Jack to 100mm RG-174 SMA(M)Plug

Features:

Cable: RG-174

Overall Length: 100mm

End A: SMA(F) Bulkhead Straight

End B: SMA(M) Plug Straight

RoHS & Reach Compliant

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1. Introduction



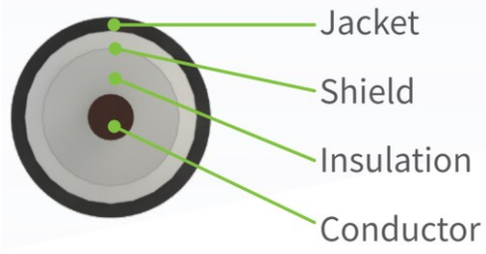
The Taoglas CAB.0102 is an RG-174 cable with SMA(F) Bulkhead Straight and SMA(M) Plug Straight. As one of a great range of Taoglas' standard cables the CAB.0102 is ideal for use by worldwide RF professionals. Taoglas also offers a 75mm version (CAB.0114) as a standard cable length for this configuration and custom cables through our Cable and Connector Division (Cable Builder). When a custom cable is required, this is the perfect tool for building your own cable variant.

Taoglas provides customized length and connector variants subject to MOQ. Contact your regional Taoglas customer support team for further details.

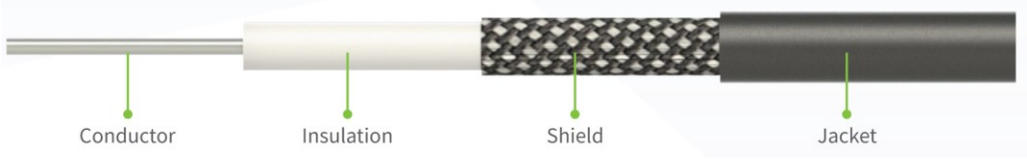
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2. Cable Specifications – RG-174

2.1 Cross Section



2.2 Structure and Dimensions



Part Designation	Material	Diameter
Conductor	Copper	0.49 mm
Insulation	PE	1.48 mm
Shield	Tinned-Copper (96% Coverage)	1.9 mm
Jacket	PVC	2.7 ± 0.1 mm

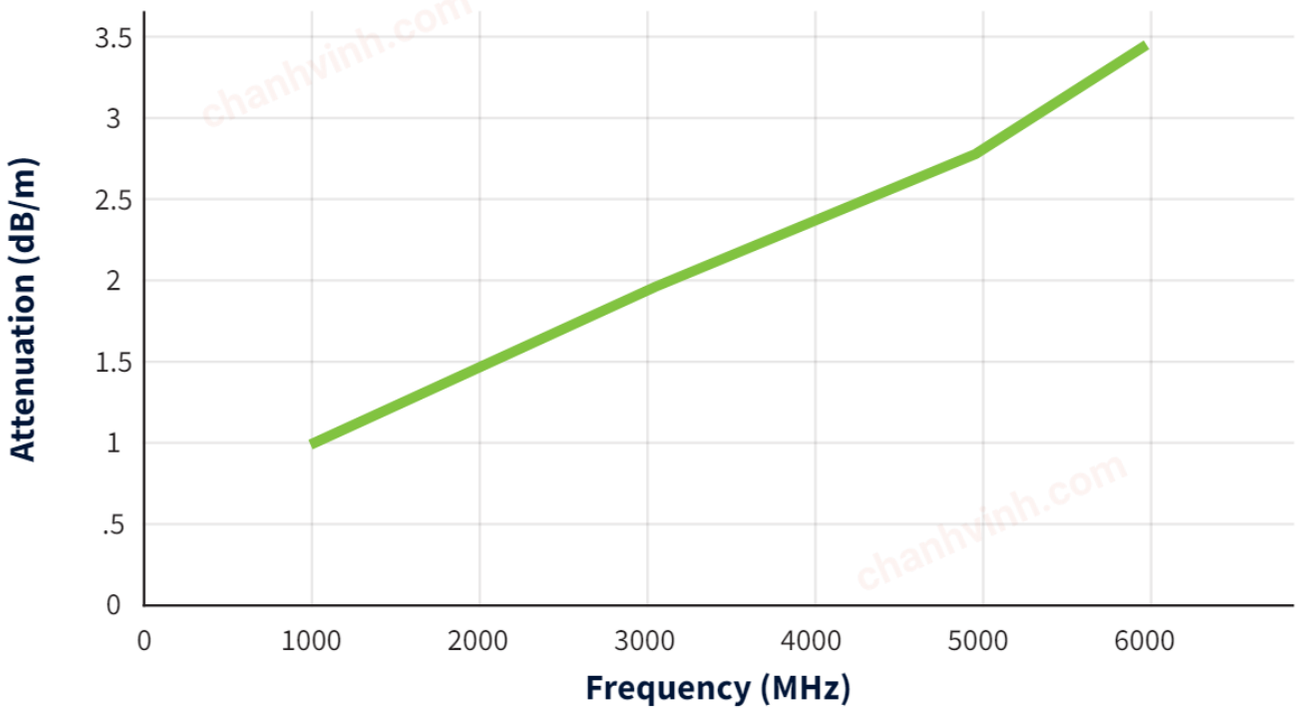
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2.3 Cable Specifications

Mechanical	
Minimum Bend Radius	25.4mm
Cable Weight	0.013kg/m
Environmental	
Storage Temperature Range	-20°C to 80°C
Operating Temperature Range	-20°C to 80°C

Electrical	
Impedance	50Ω
Capacitance	78 ± 3 pF/m

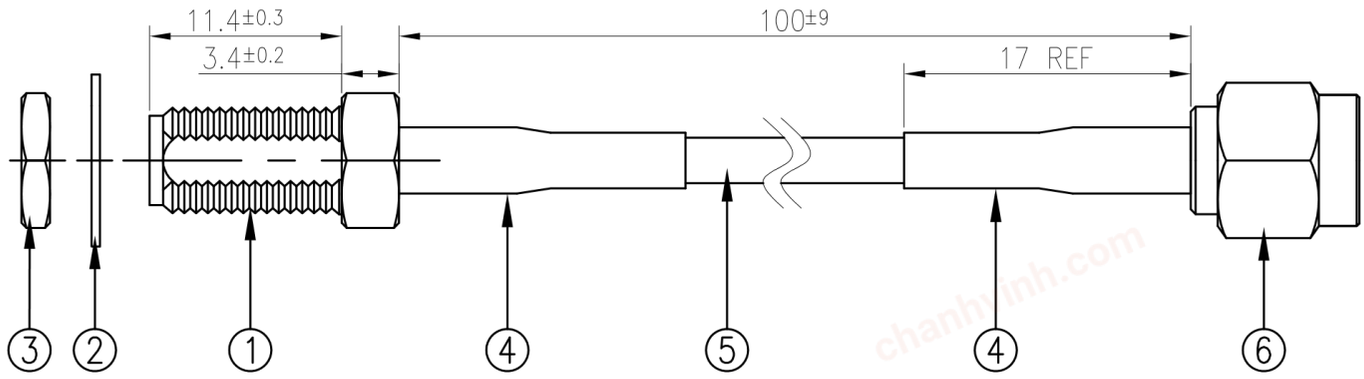
Attenuation vs. Frequency



Frequency (MHz)	1000	2000	3000	4000	5000	6000
Attenuation (dB/m)	1	1.5	1.99	2.39	2.8	3.5

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3. Mechanical Drawing (Units: mm)



	Name	P/N	Material	Finish	QTY
1	SMA(F)BK ST	200416H00009BA	Brass	Au Plated	1
2	Washer	200416H00009BA	Brass	Au Plated	1
3	Nut	200416H00009BA	Brass	Au Plated	1
4	Heat Shrink Tube	001315C020000A	PE	Black	2
5	RG174 Coaxial Cable	301315C000000A	PVC	Black	1
6	SMA(M)ST	200216D00009BA	Brass	Au Plated	1

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Changelog for the datasheet

SPE-24-8-149 – CAB.0102

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Date:	2024-06-25
Notes:	
Author:	Cesar Sousa

Previous Revisions

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