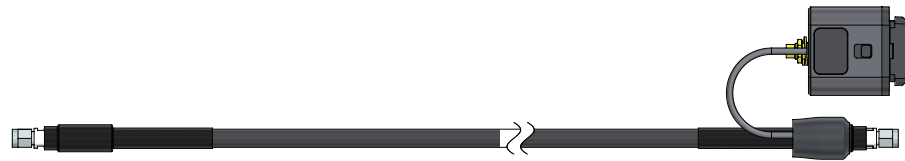
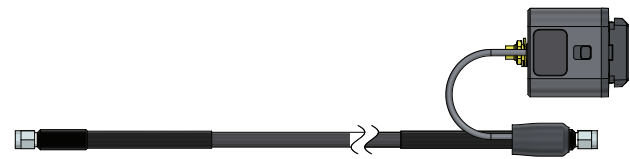


AC0018A and AC0029A Cable Dimensions



AC0029A AutoProbe III Cable, 2.92 mm (male) connector, 3 ft., 40 GHz



AC0018A AutoProbe III Cable, 1.85 mm (male) connector, 2 ft., 67 GHz

Repair and Service

Service for the AC0018A / AC0029A cable is by replacement only.

To order a new AC0018A or AC0029A, contact your local Keysight Technologies Sales Office. Return the failed cable to your local Keysight service center.

If the cable is still under warranty or is covered by a Keysight maintenance contract, it will be replaced under the terms of the warranty or contract.

For technical assistance, you can contact your local Keysight Technologies Call Center.

- In the Americas, call 1 (800) 829- 4444
- In other regions, visit <http://www.keysight.com/find/assist>

Cleaning the Probe

If the cable requires cleaning:

1. Disconnect the cable from both ends and the pod from the oscilloscope.
2. Wipe it with a soft cloth dampened with a mild soap and water solution.
3. Make sure the pod and the cable are completely dry before reconnecting it to the device and oscilloscope.

CAUTION Do not use too much liquid to clean the cable or the pod. Water can enter the pod, damaging sensitive electronic components.

© Keysight Technologies 2026
1900 Garden of the Gods Road
Colorado Springs, CO 80907

AC0029-92001, February 2026,
Printed in USA



AC0029-92001

Electrical and Environmental Characteristics

Characteristic	Value
Temperature	0 °C to +40 °C (operating) -40 °C to +70 °C (non-operating)
Altitude	Up to 3100 meters (operating) Up to 4600 meters (non-operating)
Humidity	95% RH at 40 °C, non-condensing (operating) 90% RH at 65 °C, non-condensing (non-operating)
Use	Indoor
Safety	Conformance to IEC61010-1:2010+AMD1:2016
Maximum Input Voltage	Refer to the specifications of the oscilloscope where the cable is connected
Bandwidth	AC0018A: 67 GHz AC0029A: 40 GHz
Probe Interface	Autoprobe III

Safety Symbols and Markings



This symbol indicates the Environmental Protection Use Period (EPUP) for the product's toxic substances for the China RoHS requirements.



The crossed out wheeled bin symbol indicates that separate collection for waste electric and electronic equipment (WEEE) is required, as obligated by the EU DIRECTIVE and other National legislation.

Refer to keysight.com/go/takeback to understand your Trade in options with Keysight in addition to product takeback instructions.



The product is marked with this symbol when it is necessary for the user to refer to the instructions in the documentation.

Safety Warnings and Cautions

CAUTION Before connecting the AutoProbe III pod and the cable, always work at a static-safe work station and wear a wrist-strap or heel-strap.

WARNING If this product is not used as specified, the protection provided by the equipment could be impaired.

CAUTION Bending these cables at too tight a radius or twisting the cables can cause damage, reduce performance, and impact the precision of these cables. Also, ensure that the plastic caps that are provided with these cables are installed when the cables are not in use.

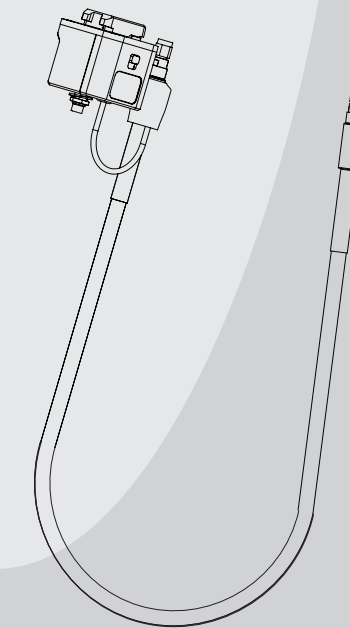
WARNING This adapter is for use only on circuits that are NOT directly connected to mains. It is NOT intended for measurements on CAT II, CAT III, or CAT IV circuits.

AC0018A / 29A AutoProbe III Cable

1.85 mm (male) connector, 2 ft., 67 GHz
2.92 mm (male) connector, 3 ft., 40 GHz

Probes Documentation

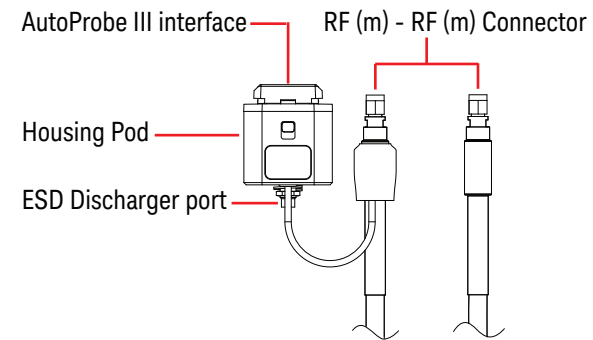
Download the AC0018A / 29A AutoProbe III Cable user's guide from the product's page at <http://www.keysight.com/find/AC0018A> and <http://www.keysight.com/find/AC0029A>. Probes and cable related documentation is also available in Keysight's Probe Resource Center (PRC) accessible from <https://www.keysight.com/find/PRC>.



Overview of the AC0018A and AC0029A cables

The AC0018A and AC0029A RF cables are “smart” cables that help you to ease the interconnection and front-end protection on the oscilloscope. These cables have an AutoProbe pod added to correct for cable loss automatically, which results in automatic removal of skew with extremely high accuracy. Additionally, the ESD Discharger port on the pod helps you protect the sensitive scope inputs. The AC0018A cable is 2 feet long and has 1.85 mm male connectors, whereas the AC0029A is 3 feet long and has 2.92 mm male connectors.

Main parts of the AC0018A / AC0029A cable



i Based on the oscilloscope model, use the appropriate F-F adapter(s) as displayed in the connection diagrams on pages 3 and 4 to connect the AC0018A / AC0029A cables to the oscilloscope's input.

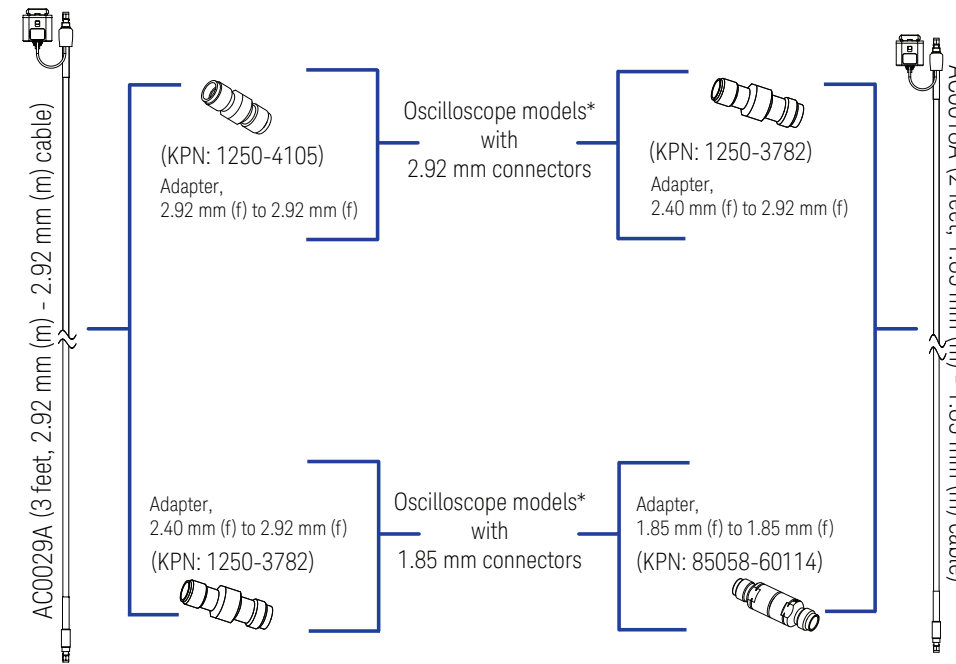
Connecting the AC0018A / AC0029A cable

(Follow the order below to connect each AC0018A or AC0029A cable)

- 1 Connect the POD into the AutoProbe III interface of the scope.
- 2 Insert the RF connector, the end closest to the pod, into ESD Discharger and remove immediately.
- 3 Connect the RF Connector to the adapter compatible with the scope.
- 4 Connect the RF connector at the other end as required.
- 5 Use appropriate torque wrench to tighten the adapter nut. See Page 3 for specifications.

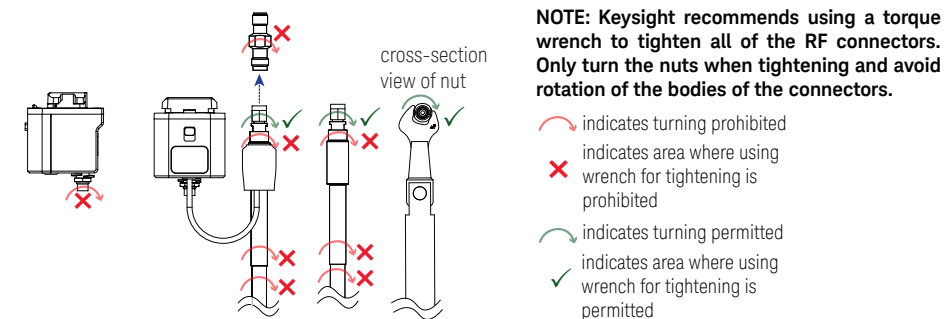
Compatibility with Oscilloscopes & Adapters

(Refer to the Torque specification for the connector on each adapter)



* Refer to the Probe Resource Center for oscilloscope compatibility

Tightening adapter nut

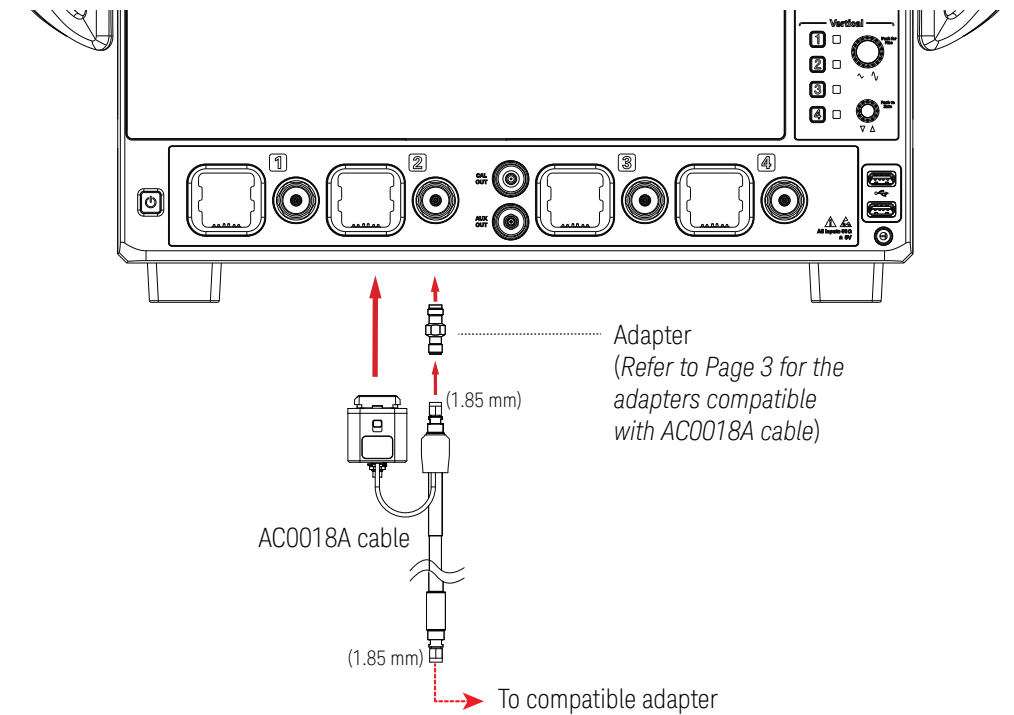


Torque specifications for adapters

Connector	Coupling Torque (N-cm/in-lb)	Torque Wrench Width	Torque Wrench Part Number
3.5 mm standard	90/8	5/16"	8710-1765
2.92 mm standard	90/8	5/16"	8710-1765
2.4 mm standard	90/8	5/16"	8710-1765
1.85 mm	90/8	5/16"	8710-1765
1.0 mm	45/4	6 mm	8710-2079
SMA	56/5	5/16"	8710-1582

Using the AC0018A and AC0029A cables

Connecting AC0018A with AutoProbe III Interface Connector



Note: The 2.92 mm connector is mechanically compatible with SMA connector, whereas the 2.4 mm connector is mechanically compatible with 1.85 mm connector.

Connecting AC0029A with AutoProbe III Interface Connector

