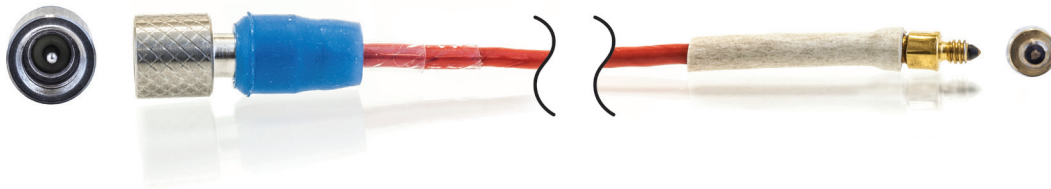
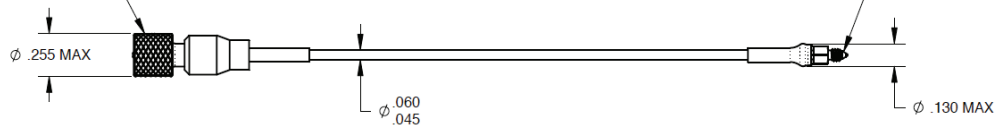


Low noise coaxial cable assembly for micro miniature accelerometer

Model 3095A



COAXIAL CONNECTOR
ENDEVCO MODEL 35348
MATES WITH MICRODOT S-50
OR GOLDEN CRIMP SERIES OR
EQUIVALENT CONNECTORS



Key features

- Lightweight
- Critical parameters 100% tested
- Compatible with model 3003 series cable assembly

Description

The 3095A is a miniature low noise coaxial cable for use with high impedance charge-mode accelerometers. The 1-64 connector mates with the model 3003 series cable assembly, or directly to accelerometer model 2222C, providing a transition to a 10-32 plug, which is compatible with most signal conditioning equipment. The cable assembly is light in weight to minimize mass loading. Each cable is supplied with the materials necessary for installation.

The raw cable and connectors are manufactured in-house to ensure the highest quality product: making this cable assembly unique to the industry. All cables are 100% tested for triboelectric noise and the capacitance is measured and recorded on the identification label.

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All specifications are typical and taken at 75°F (24°C) unless otherwise noted

Specifications		
Connector	Units	3095A
Connector 1		1-64 Straight connector
Dielectric material		Ultem plastic
Pin material		Epoxy
Connector material		Gold plated CRES 303
Strain relief material		Thermofit tubing
Torque	in -lb (Nm)	Finger tight to approximately 1.5 (0.17)
Lock wire holes		No
Connector 2	in (mm)	10-32 NF, straight plug 0.252 (6.4)
Dielectric material		Glass
Connector material		304 stainless steel
Strain relief material		Fluorosilicone rubber
Torque	in-lb (Nm)	Finger tight to approximately 1.5 (0.17)
Cable		
Color (2)		Red
Outer jacket		Teflon
Center conductor		Solid
Conductor material		Copper weld
Conductor size	AWG	33
Primary insulation		Teflon
Cable type		Coaxial
Diameter	in (mm)	0.060 (1.5)
Shield material		Silver plated copper
Cable weight	gm/ft.	1.5
Bend radius	in (mm)	0.60 (15)
Raw cable		14065
Environmental characteristics		
Minimum temperature	°F (°C)	-300 (-185)
Maximum temperature	°F (°C)	350 (177)
Cable pull strength (10-32 connector end)	lbs (kg)	6 (2.7)
Random vibration	grms	20.7
Electrical characteristics		
Noise (1)	pC pk-pk	1.5
Cable capacitance (1)	pF/ft	30
Insulation resistance (at 100Vdc)(1)	GΩ	50

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Length tolerance tabulation	
Length inches (millimeters)	Tolerance inches (millimeters)
Up to 12 (304.8)	+ 1.0 (25.4)
13 to 36 (330.2 to 914)	+ 2.0 (50.8)
37 to 120 (939.8 to 3.05 meters)	+ 4.0 (101.6)
Over 120 (3.05 meters)	+4 (101.6) per 120 (3.05) or part thereof (+12 (3.05) = maximum tolerance)

Accessories		
Options	Description	3095A
16426	Sealing compound	Included
16205	Wrench	Included

Notes

1. These parameters 100% tested
2. Small color variations may occur during normal batch processing, but have no impact on product performance.

Ordering information

1. Specify as 3095A-XXX where XXX = length of cable assembly in inches
2. Standard lengths, in inches, are: 120, 240



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