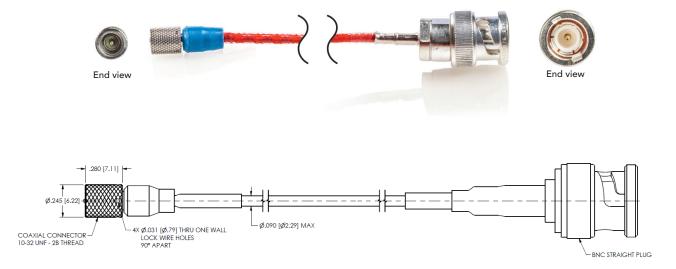


Low noise coaxial cable assembly Model 3090CM12



Key features

- Critical parameters 100% tested
- 10-32 plug to BNC plug cable assembly
- Designed for the shock and vibration environment
- Fused glass, stainless steel housing to center pin

Description

The 3090CM12 coaxial cable assembly is a high reliability cable designed for use with chargemode piezoelectric accelerometers. The cable enjoys a long history of reliable use spanning from laboratory use to flight-testing.

The raw cable, 10-32 connector and pin assemblies are made in-house to ensure the highest quality product available, making this cable assembly unique to the industry. All cables are 100% tested for noise thus making them "true low-noise" cables. The actual cable capacitance is measured and recorded on the package; an important parameter for long cable runs. The 10-32 connector employs a fused glass dielectric for maximum reliability and moisture protection and its stainless steel connector pin is welded to the cable's center conductor strands for maximum pull-strength and minimum noise. The BNC termination is compatible with most DAQs, and signal conditioners.



Low noise coaxial cable assembly | Model 3090CM12

The following specifications are typical and taken at approximately 75°F (24°C) unless otherwise noted.

in (mm) in-lb (Nm)	10-32 UNF Glass 304L stainless steel 304 stainless steel Fluorosilicone rubber
in-lb (Nm)	Glass 304L stainless steel 304 stainless steel
in-lb (Nm)	304L stainless steel 304 stainless steel
. ,	304 stainless steel
. ,	304 stainless steel
. ,	
. ,	
. ,	Finger tight to 1.5 (0.17)
gms	1.65
9	BNC, bayonet, straight plug, male
	PTFE
	Brass, gold plated
	Brass, nickel plated
	brass, meter platea
	Red
	PTFE, wrapped and fused
	Stranded
	Silver plated copper-clad steel
AWG	30
	PTFE
	Coaxial
in (mm)	0.08 (2.032)
	Silver plated copper
gms/ft	3.3
in (mm)	0.850 (21.59)
	EDV26108A (79246-01)
°F (°C)	-452 (-269)
	500 (260)
	-85 (-65)
	329 (165)
	33 (15)
-	20 (9) typical
-	10,000
	20.7
	1,000
g peak	1,000
	4.5
	1.5
	36 >50 up to 500 ft.
	gms/ft

Low noise coaxial cable assembly | Model 3090CM12

Length tolerance tabulation		
Length inches (millimeters)	Tolerance inches (millimeters)	
Up to 12 (304.8)	+ 1.0 (25.4)	
13 to 60 (330.2 to 1524)	+ 2.0 (50.8)	
61 to 1200 (1524 to 30.48 meters)	+ 6.0 (152.4)	
Over 1200 (30.48 meters)	+ 1.0ft (304.8)	

Notes

- These parameters are 100% tested. 1.
- These parameters applicable to connector 1 only. 2.
- 3. Small color variations may occur during normal batch processing, but have no impact on product performance.

Ordering information

- Specify as 3090CM12/XXX where XXX = cable length in inches. 1.
- Maintain high levels of precision and accuracy using Endevco's factory calibration services. Call Endevco's inside sales force at 866-ENDEVCO 2. for recommended intervals, pricing and turn-around time for these services as well as for quotations on our standard products.



10869 NC Highway 903, Halifax, NC 27839 USA

endevco.com | sales@endevco.com | 866 363 3826

© 2024 PCB Piezotronics - all rights reserved. PCB Piezotronics is a wholly-owned subsidiary of Amphenol Corporation. Endevco is an assumed name of PCB Piezotronics of North Carolina, Inc., which is a wholly-owned subsidiary of PCB Piezotronics, Inc. Caroumetrics, Inc. and The Modal Shop, Inc. are wholly-owned subsidiaries of PCB Piezotronics, Inc. The Modal Shop, Inc. are wholly-owned subsidiaries of PCB Piezotronics, Inc. The Modal Shop, Inc. are wholly-owned subsidiaries of PCB Piezotronics, Inc. Inter Modal Shop, Inc. are wholly-owned subsidiaries of PCB Piezotronics, Inc. The Modal Shop, Inc. are wholly-owned subsidiaries of PCB Piezotronics, Inc. Intervention and product names used in this document may be the registered trademarks or unregistered trademarks of PCB Piezotronics, Inc., PCB Piezotronics of North Carolina, Inc. (d/b/a Endevco), The Modal Shop, Inc. or Accumetrics, Inc. Detailed trademark ownership information is available at www.pcb.com/trademarksmip.