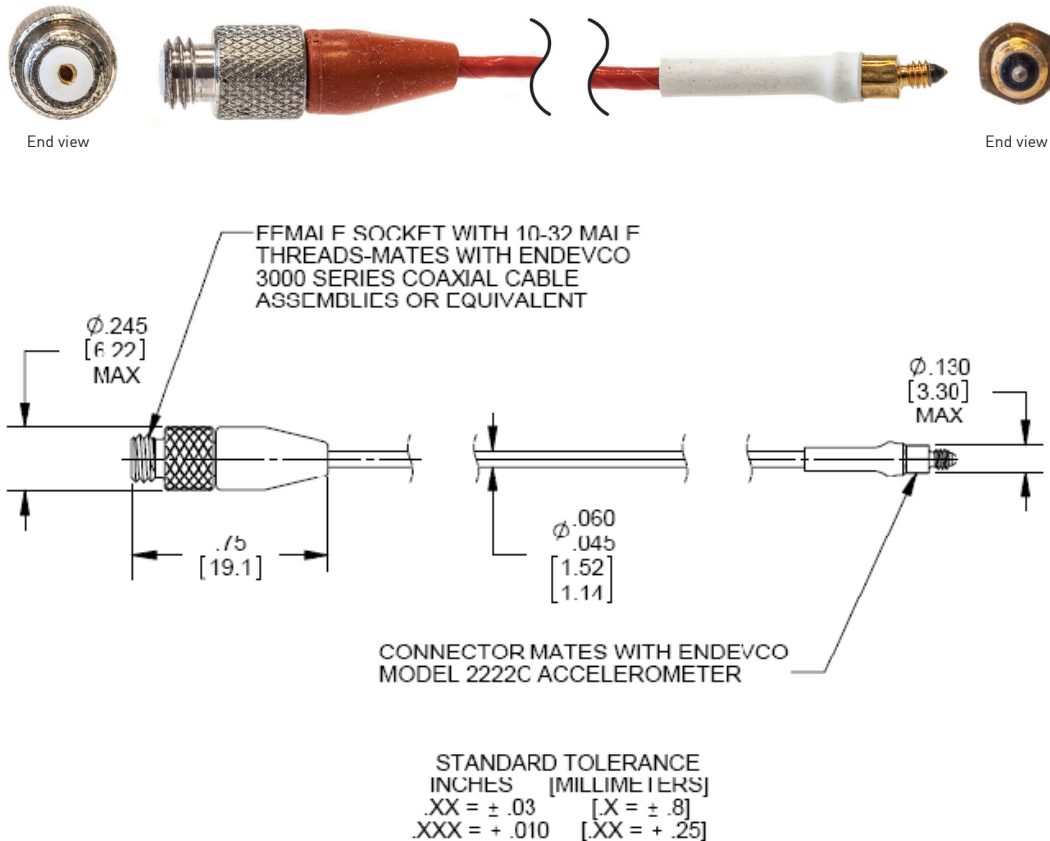


Low-noise replacement cable for model 2222C accelerometer Model 3093M10



Key features

- Replacement cable for standard cable originally supplied with model 2222C
- Highest reliability
- Critical parameters 100% tested
- Designed for the shock and vibration environment

The model 3093M10 is a replacement cable for the Endevco® brand model 2222C accelerometer. It mates with the Endevco 3000 (or equivalent) series of low-noise coaxial cables with 10-32 connectors. The 3093M10 uses a TFE jacketed subminiature cable with low-noise treatment. 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% noise tested and the capacitance is measured and recorded on the identification label.

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Specifications

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

	Units	3093M10
Characteristics		
Connector 1, accelerometer end		1-64 RH male
Strain relief material		White silicone rubber tubing
Torque, 1-64 RH connector	in-lb (Nm)	0.12 [0.53]
Lock wire holes		No
Connector 2, instrumentation end (3)		10-32 female socket
Strain relief material		Silicone rubber
Torque		Finger tight to approximately 1.5 in-lb. [0.17 Nm]
Cable		
Color		Red
Outer Jacket		PTFE Teflon, wrapped and fused
Center conductor		Solid
Conductor material		Copper weld
Conductor size AWG		33
Primary Insulation		Noise treated Teflon
Cable type		Coaxial
Diameter	in (mm)	0.060 [1.5]
Shield material		Silver plated copper
Weight, 12" cable (2), including cable and connectors		gms/ft (mtrs) 3.7 [0.34]
Bend radius	in (mm)	0.12 [3.05]
Raw cable		PN14065
Environmental		
Minimum temperature	°F (°C)	-100 [-73]
Maximum temperature	°F (°C)	350 [177]
Sinusoidal vibration	g peak	1,000
Electrical		
Noise (1)	pC pk-pk (1)	1.5
Capacitance (1)	pF	30 ±25% (plus 6pF for connectors)
Insulation resistance (at 50 Vdc)	G Ω	50
Accessories supplied		
Wrench		PN 16205
Thread sealing compound		PN 16426

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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 914.4)	+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 (304.8) = maximum tolerance

Notes

1. These parameters are 100% tested.
2. For longer lengths, add 1.54 grams for each additional 12 inches.
3. Mates with Endevco model 3000 series coaxial cable assemblies or equivalent.
4. STEP file available upon request.

Ordering Information:

1. Specify as 3093M10-XXX where XXX length of cable assembly in inches
2. Standard lengths, in inches, are: 12 and 120
3. Maintain high levels of precision and accuracy using Endevco's factory calibration services. Call Endevco's inside sales force at 866-ENDEVCO for recommended intervals, pricing and turn-around time for these services as well as for quotations on our standard products.

Contact

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