

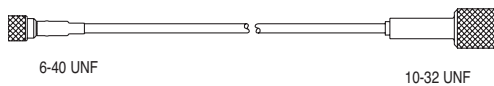
Standard miniature cable assemblies

Model 3003A, 3091F, 3093M10 and 3095A



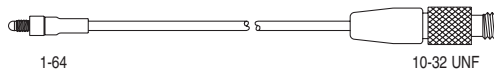
3003A

The Endevco model 3003A is a sub-miniature, low noise coaxial cable assembly designed for use with Endevco models 22 and 23 high impedance accelerometers. It mates with the Endevco 3093A and 3095A series of standard size coaxial cables. The 3003A is a miniature semi-rigid cable with a 1.00 UNM outside thread connector at one end and a 1-64 UNC-2A inside thread at the other. Instructions on installing this cable, which are supplied with model 22 and 23 accelerometers, should be rigidly followed. Model 22 and 23 accelerometers have 3003A-6 (six inch length) cables installed as a standard accessory in addition to a 3095A-120 (10 ft. length).



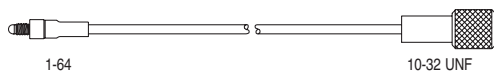
3091F

The Endevco model 3091F cable assembly is a low noise, Teflon® jacketed, coaxial cable for use on high impedance or low impedance piezoelectric accelerometers which utilize a 6-40 UNF-2B threaded connector. The opposite end is terminated with an inside thread 10-32 connector. The 3091F features an improved shield crimp and laser welded center conductor to contact socket termination and 500°F operating temperature. This cable assembly is typically used with Endevco model 2220D and 7250A accelerometers. The standard length for this cable is 10 ft. (3091F-120).



3093M10

The Endevco model 3093M10 is a replacement cable assembly for use with the Endevco model 2222C accelerometer. It mates with the Endevco 3000 series of standard size coaxial cables. This cable is a TFE jacketed sub-miniature cable treated for low noise generation, has an outside thread 10-32 connector at one end and an outside 1-64 RH thread at the other. The standard length for this cable is 1 ft. (3093M10-12).



3095A

The Endevco model 3095A is the same as the model 3093A with the exception being that one end is terminated with an inside thread 10-32 connector and the other end of the cable assembly is terminated with an outside 1-64 RH thread. Other than the 10-32 connector difference, the model 3095A and the model 3093A are the same cable. The standard length for this cable is 10ft. (3095A-120).

Key features

- for use with high impedance / low impedance piezoelectric accelerometers

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Specifications

Dynamic characteristics		3003A	3091F	3093M10	3095A
Capacity, nominal	pF/ft.	60	36	30	30
Resistance, nominal	Ω/ft.	64	0.6	0.6	0.6
Physical characteristics					
Conductor					
Size	AWG	42	33	33	33
Material	Copperweld	(stainless)	(stainless)	Copperweld	(stainless)
Primary insulation	Teflon®	Teflon®	Teflon®	Teflon®	Teflon®
Shield		SS	silver plated copper	silver plated copper	silver plated copper
Jacket	Material	Teflon®	Teflon®	Teflon®	Teflon®
Overall diameter	in. (mm)	0.015	0.060	0.060 (1.524)	0.060
Weight (nominal)	gm/ft.	0.15	1.5	3.7	1.5
Bend radius, min.	in. (mm)	0.10	0.12	0.12 (3.048)	0.12
Connector characteristics					
Type		1.00 UNM to 1-64 UNC-2A	6-40 UNF-2B to male 10-32	1-64 RH to fem 10-32	1-64 RH to male 10-32
Bend relief		N/A	N/A	silicone rubber	N/A
Environmental characteristics					
Temperature range	°F (°C)	-100 to +350	-300 to +500	-100 to +350 (-73 to +177)	-100 to +350
Noise		1.5 pk-pk pC	1.5 pk-pk pC	1.5 pk-pk pC	1.5 pk-pk pC

Notes:

1. 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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