



## Model 3006, 3024, 3027A, 3027AM3, 3027AM4 and 3061 Standard low impedance cable assemblies

### Features

- low impedance piezoelectric accelerometers

### Description

#### 3006

Endevco's model 3006 cable is a miniature Teflon® jacketed coaxial cable that mates with a special 1.20 UNM Endevco receptacle on one end and a 10-32 type plug on the other end. It is intended for use with low impedance transducers, such as Endevco model 25B and 2250A Isotron® accelerometers that do not require noise treated cables. The model 3006 is temperature rated from -58°F to +257°F.



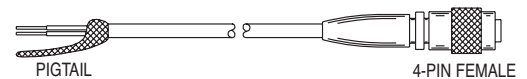
#### 3024

The Endevco model 3024 cable is a low-cost twisted pair cable with Teflon® insulated conductors. No shielding or overall jacket is provided. It is designed to be used with low impedance transducers, such as Endevco model 25A, 2250AM1, 2255B and 7255A Isotron® accelerometers. The accelerometer end of the cable is soldered to the leads extending from the accelerometer, and the other end is terminated with a 10-32 center pin connector. The cable is not shielded or noise treated and should not be used with high impedance piezoelectric accelerometers. Model 3024M1 is a shielded, S.P. copper braid, version of the model 3024. This version is designed for high noise and EMI environments. This cable is temperature rated from -300°F to +350°F.



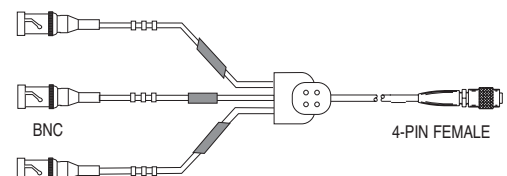
#### 3027A

The Endevco model 3027A cable assembly is a four conductor shielded cable designed to operate with low impedance accelerometers. This cable utilizes the solderless crimp style conductor to pin method. The shield is crimped and soldered to the connector case. The outer jacket is gray silicone with an internal Teflon® insulation. There is a four pin receptacle at the accelerometer end and tinned leads at the other end. The 3027A is designed to be used with model 63A and 2258AM2 accelerometers. The temperature rating for this cable assembly is -148°F to +257°F.



#### 3027AM3

The Endevco model 3027AM3 is a cable assembly designed to mate with triaxial Isotron® accelerometers such as models 63A & 2258AM2. One end of the cable assembly features a 4-pin receptacle while the other end branches into 3 male BNC plugs. The 3027AM3 is temperature rated from -67°F to +185°F.

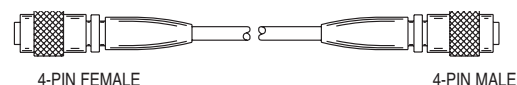


## Model 3006, 3024, 3027A, 3027AM3, 3027AM4 and 3061 Standard low impedance cable assemblies

### Description

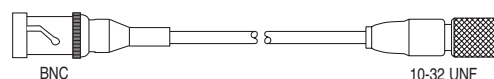
#### 3027AM4

The Endevco model 3027AM4 is an extension cable for use with the 3027AM3 cable assembly. This cable has a male 4-pin connector at one end and a female version at the other. The temperature rating for this cable assembly is -148°F to +257°F.



#### 3061

The Endevco model 3061 cable is a non-low noise treated version of the 3090CM12 cable assembly. This cable has a male 10-32 miniature coax connector at one end and a male BNC at the other. The model 3061 is temperature rated from -85°F to +350°F.



### Specifications

		3006	3024/M1	3027A	3027AM3	3027AM4	3061
<b>Dynamic characteristics</b>							
Capacity, nominal	pF/ft.	42	N/A	16	30	16	28
Resistance, nominal	Ω/100 ft.	35	6.5	30	20	30	28
<b>Physical characteristics</b>							
<b>Conductor</b>							
Size	AWG	36	28	32	28	32	30
		19/40	7/40	10/38	7/40	7/38	7/38
Material		copper	copper	copper	copper	copper	copper
Primary insulation		Teflon®	Teflon®	Teflon®	PVC	Teflon®	Teflon®
Shield		gold plated copper	N/A	copper	Alumylar c	opper	copper
			(M1, s.p. copper)				
Jacket	Material	Flourocarbon	Teflon®	Silicone	PVC	Silicone	Teflon®
Overall diameter	in.	0.035	0.094	0.105	0.105	0.105	0.080
Weight (nominal)	gm/ft.	1/2	3 1/2	4 1/2	4 1/2	4 1/2	3 1/2
Bend radius, min.	in.	0.120	0.750	0.50	0.850	0.50	0.950
<b>Connector characteristics</b>							
Type		.120 UNM to 10-32	tinned leads to 10-32	4-pin rec. to tinned leads	4-pin rec. to 3x BNC	4-pin plug 4-pin rec.	10-32 to BNC
<b>Environmental characteristics</b>							
Temperature range	°F	-58 to +257	-300 to +350	-148 to +257	-67 to +185	-148 to +257	-85 to +330



Continued product improvement necessitates that Endevco reserve the right to modify these specifications without notice. Endevco maintains a program of constant surveillance over all products to ensure a high level of reliability. This program includes attention to reliability factors during product design, the support of stringent Quality Control requirements, and compulsory corrective action procedures. These measures, together with conservative specifications have made the name Endevco synonymous with reliability.

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