

Standard low impedance cable assemblies

Model 3006, 3024, 3027A, and 3061



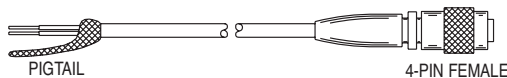
3006

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.



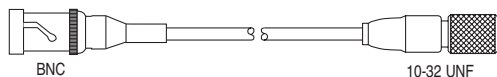
3024

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



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.

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

Notes

- 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.



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