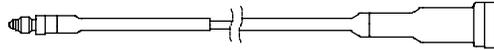


## Low noise, high impedance, differential cable assemblies Model 3003C, 3053V, 3075M19 and 3090DV



### 3003C

The Endevco model 3003C is a sub-miniature coaxial cable assembly designed for use with the Endevco models 22 and 23 accelerometers. It mates with the Endevco 3093 and 3095A series of standard size coaxial cables. A six inch cable, model 3003C, is supplied with each transducer. Longer lengths are available on special order. Instructions for installation are included in the models 22 and 23 instruction manuals.



### 3053V

The Endevco model 3053 is a low noise, Teflon® jacketed, coaxial cable. It features a new, improved backshell, strain relief design and stranded center conductor for increased ruggedness and long term life. It is designed specifically for piezoelectric accelerometers which utilize a M3 threaded connector with high impedance outputs for use in severe environments.



### 3075M19

The Endevco model 3075M19 cable is designed for use at high temperatures and high humidity. It is hermetically sealed and will operate in severe environments. The 3075M19 has a fiberglass jacket over a Kapton sleeve, which is over the stainless steel outer sheath of the cable to prevent inadvertent grounding. Furthermore, the entire cable assembly is strengthened by surrounding it with a stainless steel armor braid crimped at both ends.



### 3090DV

The Endevco model 3090DV is a low noise, VersaFlex Teflon® jacketed, coaxial cable with stainless steel, hermetic connectors. It features a new, improved backshell, strain relief design, stranded center conductor for increased ruggedness and long term life and a coupling nut with hex made from an anti-galling bronze material. It is designed specifically for piezoelectric accelerometers with high impedance outputs for use in severe environments.

### Key features

- For use with piezoelectric accelerometers

## Low noise, high impedance, differential cable assemblies

### Model 3003C, 3053V, 3075M19 and 3090DV

## Specifications

### Dynamic characteristics

		3003C	3053V	3075M19	3090DV
Capacity, nominal	pF/ft.	25 (total)	32	63	32
Resistance, nominal	Ω/ft.	32 (total)	0.5	0.4	0.5

### Physical characteristics

		3003C	3053V	3075M19	3090DV
Conductor					
Size	AWG	40	33	0.010 ±.002 in O.D.	30
Material		silver plated dumet	silver plated copper	nickel	silver plated copper
Primary insulation		extruded PFA Teflon®	PFA	MgO	Teflon®
Shield		304 stainless steel	silver plated copper	N/A	silver plated copper
Jacket		PFA Teflon®	Fused wrapped TFE	304LSS	extruded PFA Teflon®
Overall diameter	in.	0.019 / 0.024	0.054	0.125 m	0.081
Weight (nominal)	gm	0.3	1.42/ft	90 / 120 in	2.67/ft
Bend radius, min.	in.	0.1	0.5	0.75	0.750

### Connector characteristics

		3003C	3053V	3075M19	3090DV
Type		male 1.00 UNM thread female 1-64 UNC-2A	output end: 10-32 thread nut input end: M3 x .05 threaded nut with center pin	mates with S-50 series receptacle or equiv	10-32 NF threaded nut

### Environmental characteristics

		3003C	3053V	3075M19	3090DV
Temperature range	°F	-100 to +350	-432 to +500	-100 to +725	-432 to +500
Noise		0.4 pC pk-pk	1.5 pC pk-pk	N/A	1.5 pC pk-pk

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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