

Standard High Impedance Cable Assemblies

ENDEVCO
MODEL
3060A
3090C
3090CM12
3096

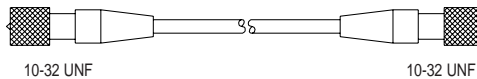
Model 3060A, 3090C, 3090CM12 and 3096

- for use with high impedance/
low impedance piezoelectric accelerometers

DESCRIPTION

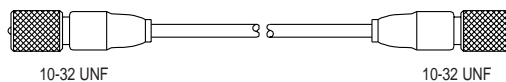
3060A

The Endevco Model 3060A is a high temperature (+500°F), silicone jacketed, low-noise softline cable. The 3060A is designed for applications involving tight bends and complicated cable routing. With its seamless silicone outer jacket, this cable provides enhanced flexibility and minimum exposure to moisture contamination. There is a 10-32 connector provided at each end of the cable assembly.



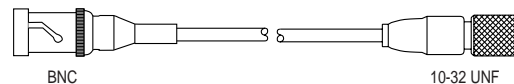
3090C

The Endevco Model 3090C is a high reliability low-noise softline coaxial cable. It is a premium general purpose cable designed specifically for use with piezoelectric accelerometers in severe environments. This fused Teflon® jacketed cable has applications where maximum reliability is essential and where repeated usage is important. The cable features (1) stainless steel connectors (center -pin fused into glass insulator, 10-32 threaded nut), (2) a stranded-wire center connector for maximum flexibility; and (3) a high cable pullout tensile strength for increased ruggedness and long-term life. Connector design features make the cable an excellent choice for high humidity, high temperature conditions. Temperature rated from -423°F to +500°F, the cable also has guaranteed low noise characteristics. The fused Teflon® jacket of the 3090C is recommended in applications where cable abrasion will be encountered.



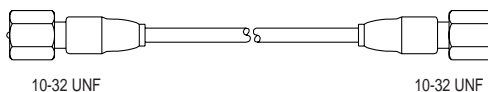
3090CM12

The Endevco Model 3090CM12 low-noise cable has the same ruggedness and reliability as the Model 3090C cable assembly as well as the same stranded center conductor and fused Teflon® outer jacket. The 3090CM12 is designed with a male BNC at one end and a 10-32 connector at the other. The temperature rating for the cable and 10-32 connector is -300°F to + 500°F. The temperature rating for the BNC connector end is -300°F to + 329°F.



3096

The Endevco Model 3096 cable assembly is a low-noise, Teflon® jacketed, coaxial cable with a Kevlar® reinforcement braid and stainless steel, hermetic connectors. It features a new improved backshell, strain relief design, silver plated stranded center conductor, and shield. This cable is specifically designed for piezoelectric accelerometers with high impedance outputs for use in severe environments. The Model 3096 is temperature rated from -67°F to +500°F.



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SPECIFICATIONS

DYNAMIC CHARACTERISTICS		3060A	3090C	309CM12	3096
CAPACITY, NOMINAL	pF/ft.	60	36	30	30
RESISTANCE, NOMINAL	Ω /ft.	15.4	50	50	50

PHYSICAL CHARACTERISTICS

CONDUCTOR		3060A	3090C	309CM12	3096
SIZE	AWG	28	30	30	30
MATERIAL		S.P. Copperweld	S.P. Copperweld	S.P. Copperweld	S.P. Copperweld
PRIMARY INSULATION		Teflon® O.D. noise treated	Teflon® O.D. noise treated	Teflon® O.D. noise treated	Teflon® O.D. noise treated
SHIELD		S.P. Copper braid	S.P. Copper braid	S.P. Copper braid	S.P. Copper braid
JACKET	Material	Silicone	Teflon®	Teflon®	Teflon®
OVERALL DIAMETER	in.	.092	.080	.080	.105
WEIGHT (NOMINAL)	gm/ft.	3 1/2	3 1/2	3 1/2	4 1/2
BEND RADIUS, MIN.	in.	0.950	0.850	0.850	0.850

CONNECTOR CHARACTERISTICS

CONNECTOR CHARACTERISTICS		3060A	3090C	309CM12	3096
TYPE		10-32 to 10-32	10-32 to 10-32	10-32 to BNC	10-32 to 10-32
BEND RELIEF		Flourosilicone rubber	Flourosilicone rubber	Flourosilicone rubber	Flourosilicone rubber

ENVIRONMENTAL CHARACTERISTICS

ENVIRONMENTAL CHARACTERISTICS		3060A	3090C	309CM12	3096
TEMPERATURE RANGE	°F	-100 to +500	-432 to +500	-432 to +350	-67 to +350
NOISE		1.5pk-pk pC	1.5pk-pk pC	1.5pk-pk pC	1.5pk-pk pC

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.