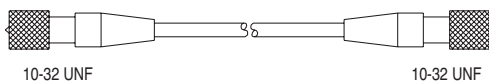


Standard high impedance cable assemblies

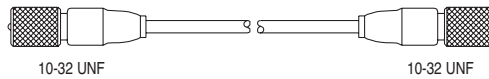
Model 3060D, 3090C, 3090CM12 and 3096

Description



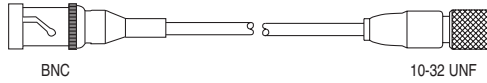
3060D

The Endevco model 3060D is a high temperature(+500°F), silicone jacketed, extremely low noise softline cable. The 3060D 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.



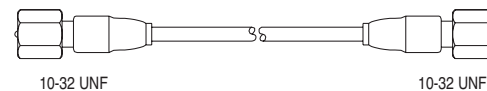
3090C

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 -423°F to +500°F. The temperature rating for the BNC connector end is -85°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.

Key features

- For use with high impedance / low impedance piezoelectric accelerometers

Standard high impedance cable assemblies

Model 3060D, 3090C, 3090CM12 and 3096

Specifications

Dynamic characteristics

Capacity, nominal	pF/ft.	3060D 50	3090C 36	3090CM12 32	3096 35
Resistance, nominal	Ω/ft.	0.2	0.5	0.5	0.5

Physical characteristics

Conductor					
Size	AWG	28	30	30	30
Material		S.P. Copperweld	S.P. Copperweld	S.P. Copperweld	S.P. Copperweld
Primary insulation		Teflon® O.D.	Teflon® O.D.	Teflon® O.D.	Teflon® O.D.
		noise treated	noise treated	noise treated	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. (mm)	0.092 [2.337]	0.080 [2.032]	0.080 [2.032]	0.115 [2.92]
Weight (nominal)	gm/ft.	3 1/2	3.3	3.3	4 1/2
Bend radius, min.	in. (mm)	0.950 [24.13]	0.850 [21.59]	0.850 [21.59]	0.850 [21.59]

Connector characteristics

Type		10-32 to 10-32	10-32 to 10-32	10-32 to BNC	10-32 to 10-32
Bend relief		Fluorosilicone rubber	Fluorosilicone rubber	Fluorosilicone rubber	Fluorosilicone rubber

Environmental characteristics

Temperature range	°F [°C]	-100 to +500 [-73 to +260]	-423 to +500 [-254 to +260]	-423 to +500 [-254 to +260]	-67 to +500 [-55 to +260]
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.

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