



Model 3075M6, 33268 and 6918M30 High temperature cable assemblies

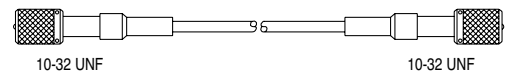
Features

- used with high temperature piezoelectric accelerometers

Description

3075M6

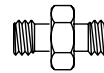
The model 3075M6 hardline cable assembly is designed for use at high temperatures (+900°F) and high humidity. It is hermetically sealed and will operate in severe environments. The 3075M6-XXX has a fiberglass jacket over a stainless outer sheath to prevent inadvertant grounding. Both ends of the cable are terminated with a glass fired 10-32 connector. This cable is used with high temperature single ended piezoelectric accelerometers such as Endevco's model 2276.



Optional accessory

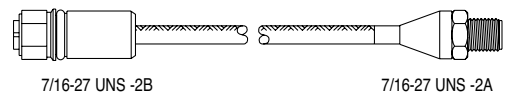
33268

The 33268 is a high temperature (+900°F) 10-32 to 10-32 in-line adaptor that enables the user to connect two 3075M6 hardline cables together.



6918M30

The Endevco model 6918M30 cable assembly is designed for use with high temperature (+900°F) differential, piezoelectric accelerometers, which utilize a two pin receptacle with 7/16-27 UNS-2A threads. This cable is used as an extension from extremely high temperatures to temperatures more suitable to the the softline differential cable model 6917C, which is rated to (+550°F) or model 6917B, which is rated to +500°F. The 6918M30-XXX cable is used with differential piezoelectric accelerometers such as Endevco's model 6233C.



Model 3075M6, 33268 and 6918M30 High temperature cable assemblies

Specifications

Dynamic characteristics

		3075M6	6918M30
Capacity, nominal	pF/ft.	63	80 (between signal leads) 110 (either signal to lead)
Resistance, nominal		200 GΩ min @ R.T. 10 MΩ min @ +900°F	50 MΩ min @ R.T. 1 MΩ min @ +900°F (between signal leads) 50 MΩ min @ R.T. 1 MΩ min @ +900°F (either signal lead to shield)

Physical characteristics

Conductor			
Size	in	0.01 O.D.	0.04
Material		nickel	solid Inconel 600 wire
Primary insulation		MgO	MgO
Jacket	Material	304L SS outer sleeve (fiberglass)	304L SS
Outside diameter	in.	0.070 (w/o sleeving) 0.135 to 0.140 (w/ sleeving)	0.25 max
Weight (nominal)	gm/ft.	12	18
Bend radius, min.	in.	0.13	0.80

Connector characteristics

Type		
	10-32 to 10-32 male(pin) (glass fired/welded)	inside thread 7/16 plug (mates to accelerometer) to 2 pin disconnect, 7/16-27 UNS-2A (mates to 6917B/C plug assembly)

Environmental characteristics

Temperature range	°F (°C)	
		-300 to +900 [-184 to 482]
		Hardline section: -65 to +1200 [-54 to 649] Accelerometer mating connector plug and 2 pin disconnect: -65 to 900 [-54 to 482]



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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