



Model 6917B and 6917D Low noise, high impedance, differential cable assemblies

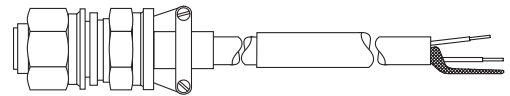
Features

- For use with piezoelectric accelerometers

Description

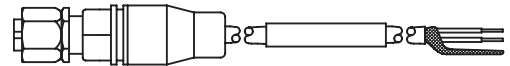
6917B

The Endevco® model 6917B-XXXX cable assembly is designed to mate with differential type piezoelectric accelerometers which utilize a two pin receptacle with 7/16-27 UNS-2A threads. This cable assembly is typically used in turbofan environments up to 500°F. It features a specially designed plug assembly with high force contacts and alumina inserts for high temperature operation. It also includes a removable backshell providing for field replacement. The cable (with twisted pair conductors) is noise treated and teflon jacketed.



6917D

The Endevco model 6917D-XXXX cable assembly is designed to mate with differential type piezoelectric accelerometers which utilize a two pin receptacle with 7/16-27 UNS-2A threads. This cable assembly is designed for continuous use in turbofan environments up to 550°F, and up to 600°F for intermittent periods. It features a specially designed plug assembly with high force contacts and alumina inserts for high temperature operation. It's backshell is protected against mechanical damage by a Viton® boot that is also splash proof. The cable (with twisted pair conductors) is noise treated and teflon jacketed.



Model 6917B and 6917D Low noise, high impedance, differential cable assemblies

Specifications

Dynamic characteristics

		6917B	6917D
Capacity, nominal	pF/ft.		
	between signal leads	80 (max)	80 (max)
	either signal lead to shield	150 (max)	150 (max)
Resistance, nominal			
	between signal leads	1 GΩ min	1 GΩ min
	either signal lead to shield	1 GΩ min	1 GΩ min

Physical characteristics

		6917B	6917D
Conductor			
Size	AWG	20	20
Material		nickel plated annealed copper wire	nickel plated annealed copper wire
Primary insulation		TFE tape	TFE tape
Shield		braided nickel plated annealed copper wire	braided nickel plated annealed copper wire
Jacket	Material	sintered TFE red tape	sintered TFE red tape
Overall diameter	in.	0.210	0.210
Weight (nominal)	lbs/ft.	0.03	0.03
Bend radius, min.	in.	0.60	0.60

Connector characteristics

	6917B	6917D
Type	two pin 7/16 -27 UNS-2B	two pin 7/16 -27 UNS-2B

Environmental characteristics

		6917B	6917D
Temperature range	°F	-65 to +500	-65 to +550 (continuous); -65 to +600 (intermittent)
Noise		1.5 pC pk-pk max	1.5 pC pk-pk max