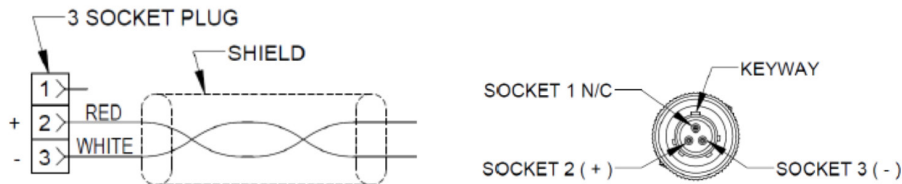
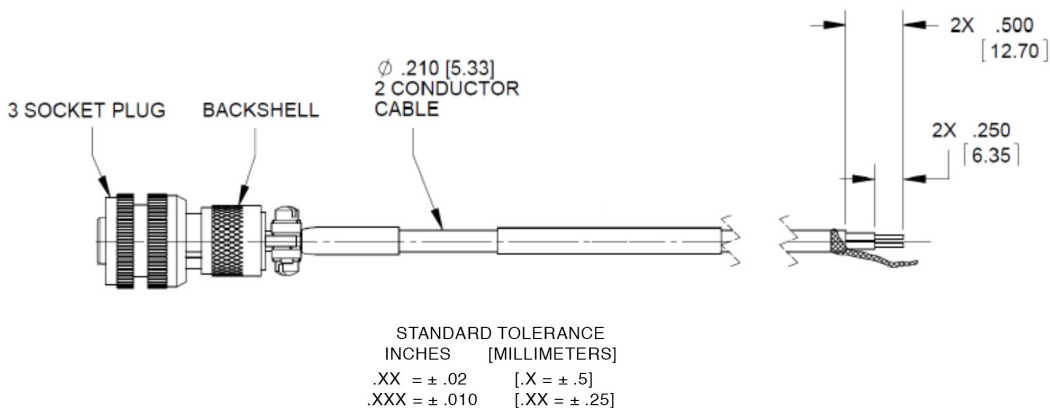


Two conductor low noise cable assembly Model 6917M169



The 6917M169 is a two conductor shielded low-noise cable. It is designed for use with charge-mode differential type transducers. This cable assembly is typically used with the Endevco model 522M37A to provide a transition from the pressure transducer's hard line cable to a soft line cable. The soft line cable is terminated with tinned pigtailed, on the instrumentation end. The transducer end is terminated with a M83723 type 3-socket receptacle. The conductors use Teflon insulation with Endevco's proprietary low noise treatment.

The raw cable is manufactured in-house to ensure the highest quality. The cable is 100% tested for low triboelectric noise (an Endevco exclusive). All critical parameters 100% tested. The cable's capacitance is measured and recorded on the ID label, an important parameter for long cable runs.

Key features

- For use with differential type piezoelectric accelerometers
- High temperature operation
- Low noise cable

Two conductor low noise cable assembly

Model 6917M169

Specifications

The following specifications are typical and taken at approximately 75°F (24°C) unless otherwise noted.

Characteristics	Units	6917M169
Connector		
Connector 1		Three socket threaded plug (M83723 style, size 8 shell)
Pin material		Gold plated
Connector material		Stainless steel
Torque	in-lb (Nm)	Finger tight to 1.5 (0.17)
Lock wire holes		No
Cable		
Color (3)		Red
Outer jacket		TFE Teflon
Conductors		Stranded, twisted pair
Conductor material		Nickel plated annealed copper
Conductor size	AWG	20
Primary insulation		TFE Teflon
Cable type		Two conductor shielded
Diameter	in (mm)	0.210 (5.3)
Shield material		Braided nickel plated copper
Cable weight	lbs (gms)/ft	0.03 (14) nominal
Bend radius	in (mm)	0.60 (10)
Raw cable part number		16833
Environmental Characteristics		
Minimum temperature	°F (°C)	-65 (-54)
Maximum temperature	°F (°C)	500 (260)
Electrical		
Insulation resistance (1)	G Ω	1 (between signal leads and signal leads to shield)
Capacitance (1)		
Between signal leads	pF	80/ft, max
Between signal leads and shield	pF	150/ft, max
Triboelectric noise (1)	pC pk to pk	1.5, max.

Two conductor low noise cable assembly Model 6917M169

Length tolerance tabulation

Length inches (millimeters)	Tolerance inches (millimeters)
Up to 12 (304.8)	+ 1.0 (25.4)
13 to 36 (330.2 to 914)	+ 2.0 (50.8)
37 to 120 (939.8 to 3.05 meters)	+ 4.0 (101.6)
Over 120 (3.05 meters)	+4 (101.6) per 120 (3.05) or part thereof (+12 (3.05) = maximum tolerance)

Notes

1. These parameters are 100% tested.
2. STEP file available on request.
3. Small color variations may occur during normal batch processing, but have no impact on product performance.

Ordering Information

1. Specify as 6917M169-XXX where XXX= in inches
2. 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

ENDEVCO

www.endevco.com

Tel: +1 (866) ENDEVCO

[+1 (866) 363-3826]