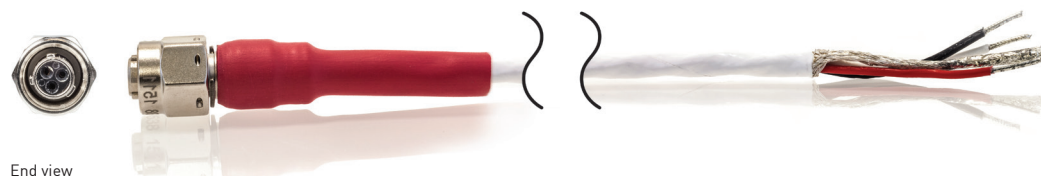


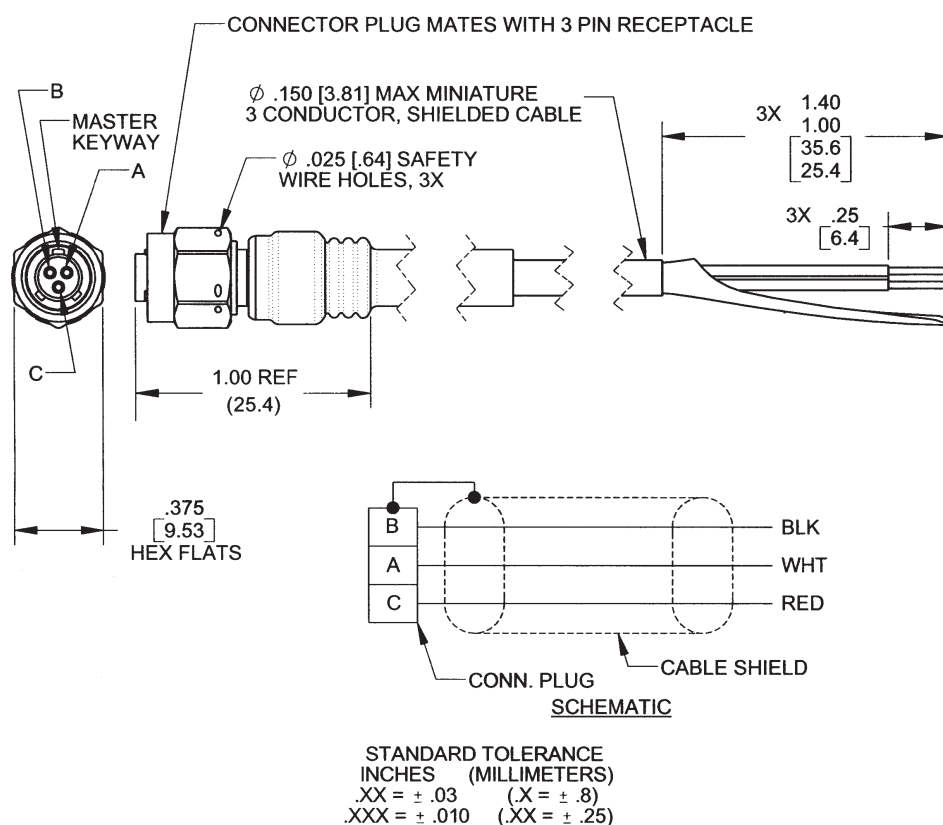
Three-conductor cable assembly

Model 6907M2



Key features

- For use with the model 7257AT accelerometer
- Silver plated copper wires and shield
- Rugged moisture resistant connector with gold plated contacts
- Designed for flight test



The model 6907M2 is a three conductor shielded cable designed to operate with low impedance accelerometers, specifically the Endevco model 7257AT. The cable's shield is connected to the connector's shell. The cable assembly meets the applicable requirements of MIL-STD-202 for vibration, shock, temperature cycling, corrosion and moisture resistance.

Three-conductor cable assembly

Model 6907M2

Specifications

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

Characteristics	Units	6907M2
Connector		
Connector 1		Three conductor, 2125-3B threaded
Dielectric material		Glass reinforced epoxy resin
Pin material		Gold plated beryllium copper
Connector material		Nickel plated aluminum alloy
Strain relief material		Polyolefin
Torque		
Weight	gms	3.12
Lock wire holes		Yes
Connector 2		Pigtails
Cable		
Color (1)		White
Outer jacket		Teflon
Conductors		Stranded
Conductor material		Silver plated copper
Conductor size	AWG	22
Primary insulation		Extruded Teflon (FEP)
Colors		Red, white and black
Cable type		3 conductor, shielded
Diameter	in (mm)	0.150 (3.81)
Shield material		Silver plated copper
Cable weight	gms	8.0 / foot
Bend radius	in (mm)	0.5 (12.7), max.
Raw cable part number		EW1059
Environmental Characteristics		
Minimum temperature	°F (°C)	-67 [-55]
Maximum temperature	°F (°C)	257 [125]
Shock	g peak	100
Sinusoidal vibration	g peak	15
Electrical		
Insulation resistance	G Ω	1
Vibration		MIL-STD-202A, Method 204, condition B
Shock		MIL-STD-202 Method 202
Temperature cycling		MIL-STD-202, Method 102, condition C

Three-conductor cable assembly

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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. Small color variations may occur during normal batch processing, but have no impact on product performance.

Ordering information

1. Specify as 6907M2-XXX where XXX = length in inches
2. Standard lengths, in inches, is: 120
3. 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

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