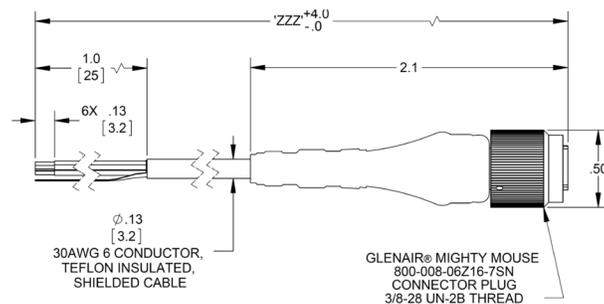


Endevco®

Cable for triaxial variable capacitance accelerometers

Model 3907



The Meggitt 3907 cable assembly features a robust Teflon® jacketed, six conductor cable with a high-reliability Glenair® Mighty Mouse hermetic connector. When the cable assembly is connected to an Endevco triaxial variable capacitance accelerometers, it is protected against water ingress making it ideal for “hose-down” and high humidity locations.

Key features

- Glenair Mighty Mouse Connector
- Protected against water ingress
- Mates with Endevco triaxial Variable Capacitance Accelerometers

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Model 3907

Specifications

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

	Units	3907
Connectors		
Connector 1 (1)		Plug, 3/8-28 UN-2B thread
Dielectric material		Glass-filled liquid crystal polymer
Pin material		Copper alloy, gold over nickel plating
Contact retention clip material		Beryllium copper
Connector material		Stainless steel
Strain relief material		Polyolefin
Grommet material		30% silicone/70% Fluorosilicone bended elastomer
Torque	in-lb (Nm)	18 to 22 (2.03 to 2.49)
Weight	gms	11.34
Lock wire holes		No
Connector 2		Pigtails
Cable		
Color	Red	
Outer jacket		Teflon
Conductors		Stranded
Conductor material		Silver plated copper
Conductor size	AWG	30
Primary insulation		Teflon
Cable type		6-conductor, shielded
Diameter	in (mm)	0.13 (3.2)
Shield material		Silver plated copper
Cable weight	oz (gms)	0.22 (6.24)
Bend radius	in (mm)	1.0 (25.4)
Raw cable		22299
Environmental		
Minimum temperature	°F (°C)	-67 (-55)
Maximum temperature	°F (°C)	302 (150)
Pin retention	lbs (kg)	6
Dielectric retention	lbs (kg)	25
Shock	g peak	300
Random vibration	g rms	37
Electrical		
Insulation resistance	MΩ	100 @ 50 V
Conductor resistance	Ω/ft	0.11
Shield resistance	Ω/ft	0.02

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Length tolerance tabulation

Length inches (millimeters)	Tolerance inches (millimeters)
Up to 24 (609.6)	+ 1.0 (25.4)
25 (635.0) to 72 (1.83 meters)	+2.0 (50.8)
73 (1.85 meters) to 144 (3.66 meters)	+ 4.0 (101.6)
Over 144 (3,68 meters)	+4.0 (101.6) per 144 (3.66) or part thereof

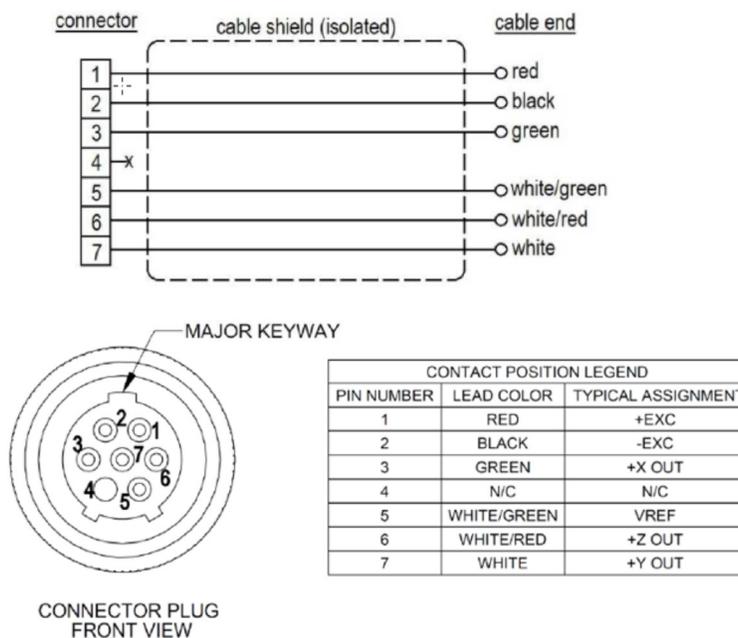
Notes

1. Glenair P/N 800-008-06Z16-7SN. Compatible with Endevco triaxial VC accelerometers (see appropriate accelerometer data sheet)
2. STEP file available upon request

Ordering Information:

1. 3907 - ZZZ
2. Where ZZZ = cable length in inches (i.e., 3907 -36 has a length of 36 inches)

Connector diagram



Contact

ENDEVCO
www.endevco.com
 Tel: +1 (866) ENDEVCO
 [+1 (866) 363-3826]