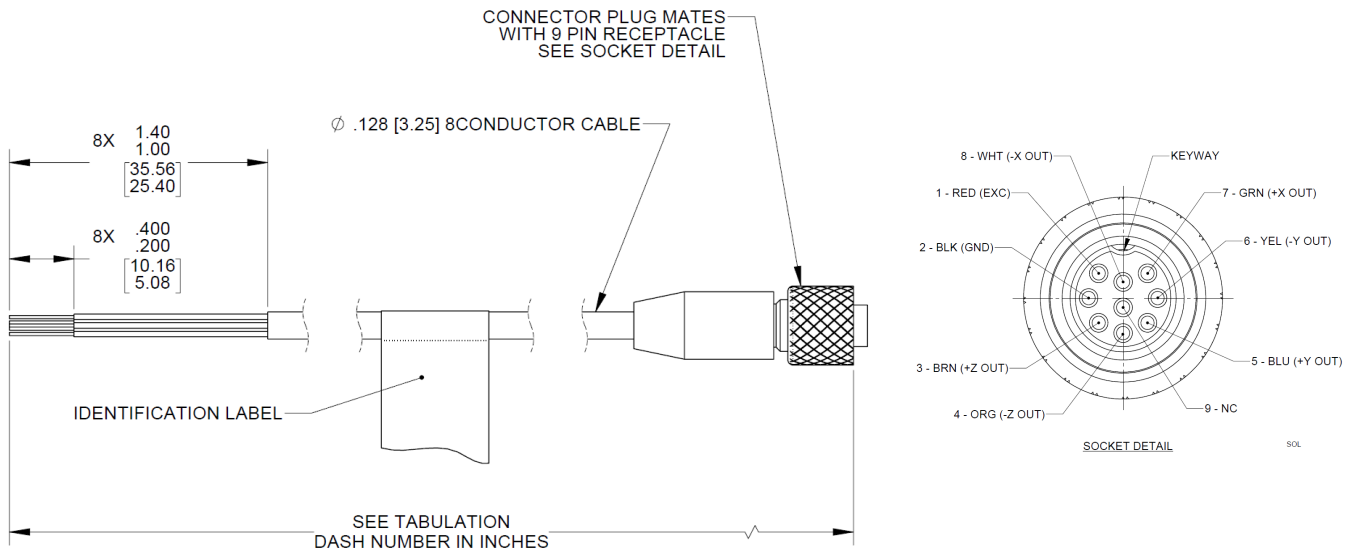
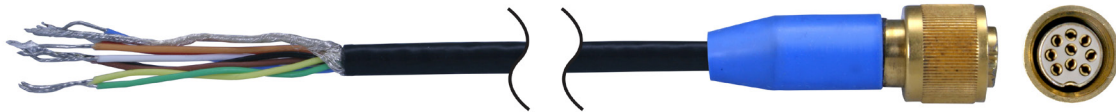


Eight-conductor, shielded cable assembly

Model 3911



Key features

- PFA conductor insulation and jacket
- High flexibility
- Mates with Model 7298A accelerometer

Description

The 3911 cable assembly is designed for use with Endevco Model 7298A triaxial variable capacitance accelerometers.

One end of this shielded eight conductor assembly features a mating 9-socket plug. The other end of the cable is terminated in tinned pigtailed conductors, allowing users to add a connector of their choice. The PFA jacket provides optimal low and high temperature toughness, flexibility, and is chemical resistant. The shield is connected to the mating connector's body.

Eight-conductor, shielded cable assembly | Model 3911

All values taken at room temperature, approximately 75°F (24°C) unless otherwise noted.

Specifications		
Dynamic characteristics	Units	3911
Connector 1 (accelerometer end)		5/16-32, 9-socket plug
Socket Material		Gold plated brass
Dielectric material		PEEK
Connector material		Gold plated brass
Strain relief material		Fluorosilicone
Lock wire holes		No
Connector 2 (instrumentation end)		Tinned pigtailed
Cable		
Color (1)		Black
Outer jacket material		PFA
Signal wire material		Silver plated copper
Signal wire size	AWG	28 (7/36)
Signal wire insulation material		PFA
Cable type		8-conductor, shielded
Diameter	in (mm)	0.128 (3.25)
Shield material		Silver plated copper
Wire type		Stranded
Weight, cable only	gms/ft	4.5
Bend radius	in (mm)	0.5 (12.7)
Raw cable part number		EDV49649
Environmental		
Minimum temperature	°F (°C)	-148 (-100)
Maximum temperature	°F (°C)	257 (125)
Sinusoidal vibration	g peak	MIL-STD-202A, Method 204, Test Condition B
Shock	g peak	MIL-STD-202, Method 202
Electrical		
Capacitance, conductor to conductor	pF/ft	16
Capacitance, conductor to shield	pF/ft	27
Insulation resistance	GΩ	1.0, minimum at 100V

Length tolerance tabulation	
Length inches (millimeters)	Tolerance inches (millimeters)
Up to 12 (304.8)	+ 1.0 (25.4)
>12 (304.8) to 36 (914.4)	+2.0 (50.8)
>36 (914.4) to 120 (3.05 meters)	+4.0 (101.6)
>120 (3.05 meters)	+4.0 (101.6) per 120 or portion thereof

Notes

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

Ordering information:

- Specify as 3911/XXX where XXX = cable length in inches
- Standard length, in inches: 36, 120, 240
- 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.



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