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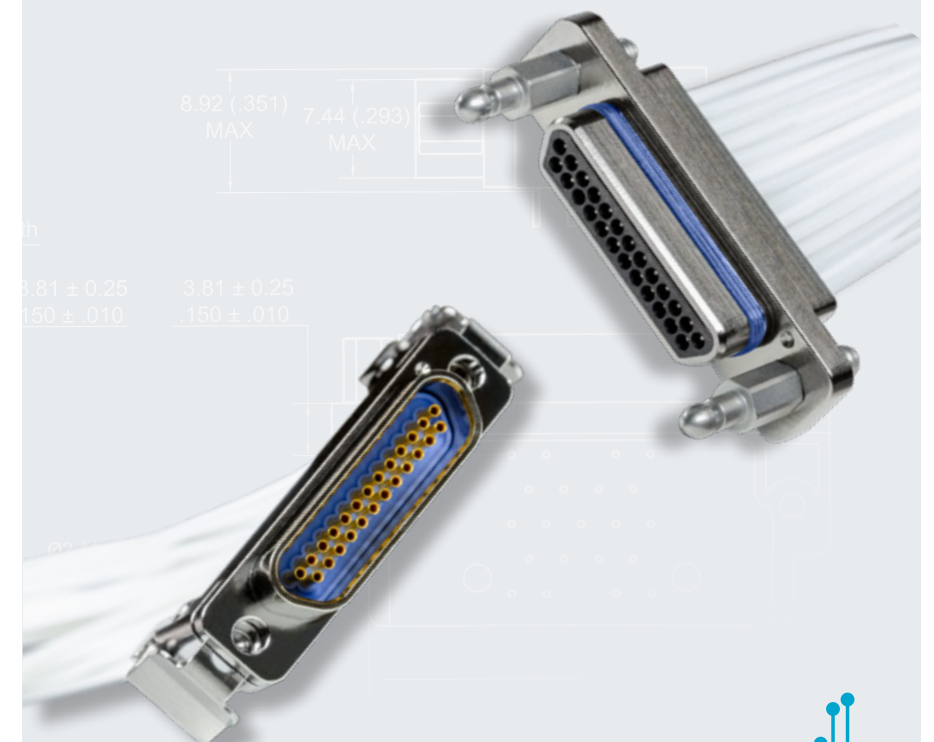
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www.axon-cable.com

axon'
cables & connectors

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Waterproof Micro-D IP68 connectors



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Expert in Micro-D connectors

As a specialist in advanced interconnect solutions, Axon' Cable has extensive experience in micro-miniature solutions based on the highly reliable Twist Pin contact technology.

By its very design, the Micro-D connector system meets all the requirements of robustness, durability, low contact resistance, high current, dielectric strength, shock and vibration.

With 1.27 mm (.050") contact spacing, Micro-D connectors, half the pitch of D-Sub connectors, represent an excellent solution for saving both space and weight.

In addition to a complete range of QPL qualified Micro-D connectors to MIL-DTL-83513, Axon' also offers Micro-D PCB connectors and cable assemblies in both metal and plastic bodied versions.

In addition to circular and rectangular Micro-D connectors and assemblies, Axon' Cable offers Nano-D connectors and jumpers compliant to the MIL-DTL-32139 specification.

About Axon' Cable

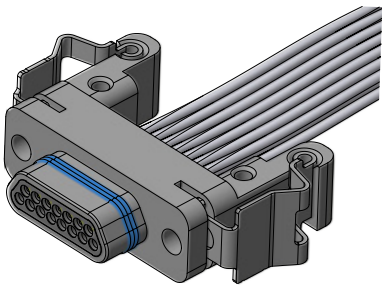
Headquartered in the beautiful Champagne region of France, Axon' is a worldwide leader in specialist interconnect. The company excels in the design and manufacture of wires, cables, terminated harnesses and interconnect solutions for high technology applications.

What is IP68 ?

The IP Code (Ingress Protection Code) is an IEC standard 60529 that classifies and rates the degree of protection provided by mechanical casings and electrical enclosures against intrusion, dust, accidental contact, and water. IP68 provides protection in water at least 1m deep for 60 minutes and is also dustproof.

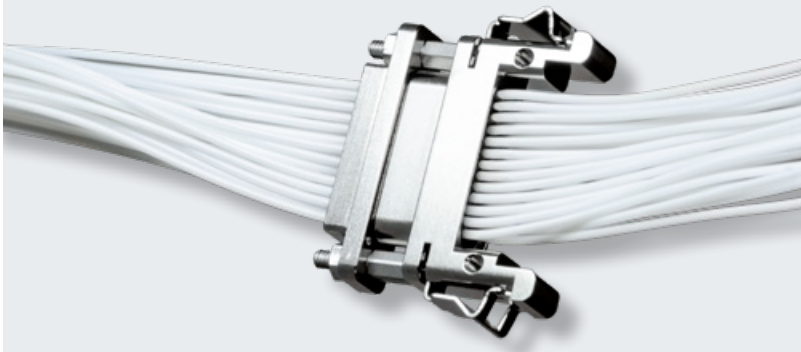
Micro-D IP68 for severe environments

- ▲ Designed and IP68 tested to withstand severe environments.
- ▲ Watertight after mating.
- ▲ Protected against water immersion from 1 to 3 meters for 60 minutes.
- ▲ Robust: excellent resistance to shock and vibration.
- ▲ Lightweight and space saving solution.
- ▲ Custom designed solution.

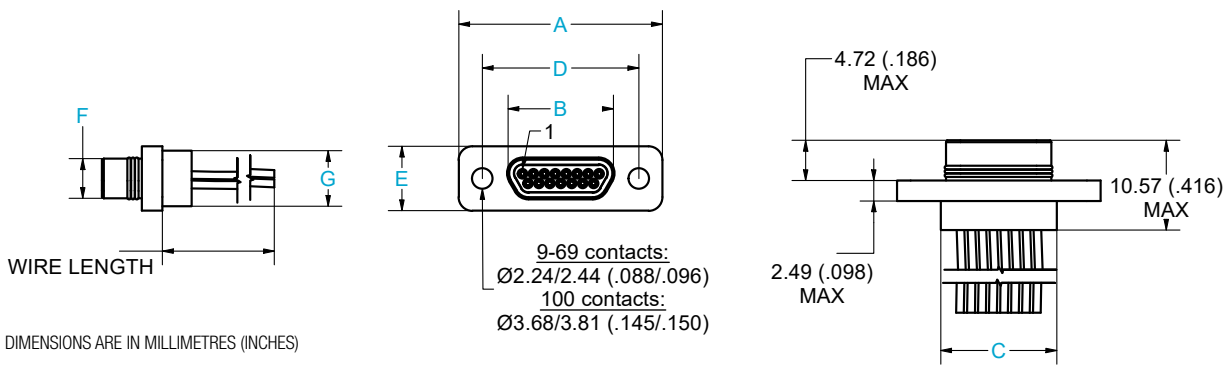


Waterproof Micro-D Connectors

From auto racing to shallow water military crossings, harsh environments require rugged and highly reliable interconnect solutions especially when they come into contact with dust or water. Axon' Cable has expanded its range of Micro-D connectors by developing a waterproof Micro-D rectangular connector. IP68 approved, this innovative solution meets all the performance requirements of MIL-DTL-83513, while delivering significant water and dust protection thanks to a three-lip fluorosilicone rubber seal. The solution is also compatible with Combo-D, optical Micro-D, custom-designed and high-density (Hermit-Nano) connectors. IP68 Micro-D connectors can be equipped with Axon's highly popular, fast-latching D-click® - an easy-to-use mating and locking system, with no tooling required.



Waterproof Micro-D dimensions



	A ± 0.25 (±.010)	B max. Male	C -0.46/+0.25 (-.018/+ .010)	D ± 0.13 (±.005)	E ± 0.25 (±.010)	F max. Male	G max.
9 P	19.69 .775	8.48 .334	9.91 .390	14.35 .565	7.57 .298	4.69 .185	6.86 .270
15 P	23.50 .925	12.29 .484	13.72 .540	18.16 .715	7.57 .298	4.69 .185	6.86 .270
21 P	27.31 1.075	16.10 .634	17.53 .690	21.97 .865	7.57 .298	4.69 .185	6.86 .270
25 P	29.85 1.175	18.64 .734	20.07 .790	24.51 .965	7.57 .298	4.69 .185	6.86 .270
31 P	33.66 1.325	22.45 .884	23.88 .940	28.32 1.115	7.57 .298	4.69 .185	6.86 .270
37 P	37.47 1.475	26.26 1.034	27.69 1.090	32.13 1.265	7.57 .298	4.69 .185	6.86 .270
51DR P	46.36 1.825	35.15 1.384	36.58 1.440	41.02 1.615	7.57 .298	4.69 .185	6.86 .270
51 P	36.20 1.425	24.99 .984	26.42 1.040	30.86 1.215	8.66 .341	5.79 .228	7.87 .310
69 P	43.82 1.725	32.61 1.1284	34.04 1.340	38.48 1.515	8.66 .341	5.79 .228	7.87 .310
100 P	54.86 2.160	35.15 1.384	36.37 1.432	45.72 1.800	9.75 .384	6.88 .271	9.14 .360

Applications

MIL-AERO | AUTO RACING | MILITARY LAND | ANY APPLICATION REQUIRING WATERTIGHT EQUIPMENT UP TO 3 METERS DEEP