

PDM

Subsea products and services



Metal Shell PBOF Connectors

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One of the major factors influencing the design of an underwater connector is the pressure at which it is required to operate. This factor has a considerable influence on the configuration and subsequent reliability of the product. The Impulse pressure balanced oil filled (PBOF) connector removes these considerations by eliminating the pressure differential across the critical interfaces.

The PBOF connector is generally used in specialised applications where the service requirements are such that the comparative complexity and cost of the PBOF design is warranted. The product has seen use in demanding ROV, power and transducer applications.

The pressure balancing feature is achieved by a valve moulded into the cable connector plug insert which enables the use of balancing oil filled tubes.



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Straight and right angled configurations are available for the cable connectors. The connectors are pressure rated up to 7,500 psi mated and the bulkhead connector is rated to 5,000psi open face.

PDM Neptec offers a harness design, termination and moulding service to clients. All such work is carried out under BS EN ISO 9001:2000.



Product Data

Configuration:	Bulkhead and In-line
Contacts:	2 to 40 (in 4 shell sizes)
Contact finish:	Gold
Threads:	9/16" - 18 UNF-2A to 23/4" - 12 UN-2A
Body:	Stainless Steel (Aluminium/Specials option)
In-line connectors:	Neoprene or Polyurethane
Voltage max:	600V DC (High Voltage 5000VDC option)
Current max:	#22AWG-2A to #6AWG-55A
Pressure (mated):	up to 7,500psi
Pressure (o/face):	5,000psi (Bulkhead)
Quality (Impulse):	Mil Spec Options
Quality (Neptec):	BS EN ISO 9001:2000

NB. Ratings above may be influenced by attached cable.

Please contact us if you require advice on connector selection. Our Engineers will be pleased to help, and may be able to assist you with your total connector system requirement at the same time.

Product brochures are available on ...

IE55 Connectors
Glass Reinforced Epoxy Connectors
Subminiature IE55 Connectors
Metal Shell Connectors
Epoxy/Rubber moulded Connectors
Micro Wet Pluggable Connectors
Underwater Pluggable Connectors
Design and Development Projects
Wet Pluggable Connectors
Polyurethane Elastomers
Transition Zone Connectors
Quickcure Moulding System

Defence Projects
Micro Connectors
Penetrators
Cable Assemblies
Encapsulated Products
Polyethylene Products
High Density Connectors
Titan Connectors
Hybrid Connectors
Fibre Optic Connectors
Fibre Optic Penetrators
Polyethylene Moulding

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BS EN ISO 9001:2000