



Deep Sea ROV Tether Connector

## The Challenge

In environments where connectors and cables are exposed to high pressures and submerged in water for extended periods, secure and waterproof electrical connections are vital for ensuring that installations can be easily assembled, modified and maintained.

As pioneers in environmentally sealed connectors, Bulgin was approached by the largest manufacturer of subsea ROVs to develop a connector which combined quick and convenient connectivity with long-term corrosion-resistance.

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## Our Solution

Drawing on Bulgin's extensive expertise in environmental sealing, the ROV Tether Connector is a custom solution that provides a quick yet secure coupling and locking mechanism.

It can withstand demanding subsea conditions such as high pressures and extreme temperatures whilst providing uninterrupted power and data, as well as fibre optic signal feeds.

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## Results

Engineered to prevent problems happening in the first instance, the ROV Tether Connector helps reduce cable termination time and potential downtime for subsea projects.

Dynamic pressure balancing via free flow of dielectric oil from the surface to the connector enables ROVs to operate at subsea depths of up to 7000m.

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## Specifications

316 Stainless Steel Construction

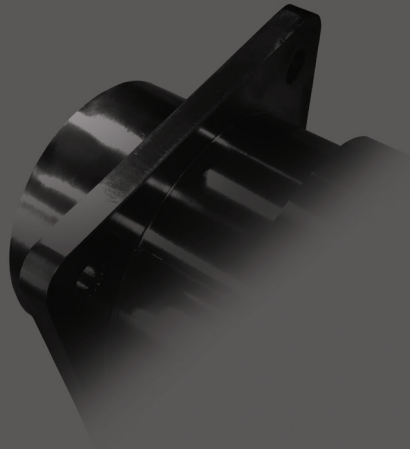
Ratings up to 5KV, 32A

Pressure Balanced Oil Filled (PBOF)

Capable of up to 7000M subsea depths

Data, Power and Fibre Optics





#### EMEA

Broers Building,  
JJ Thomson Avenue, Cambridge  
CB3 0FA UK  
Tel: +44 (0)1223 371 000  
info@bulgin.com

#### The Americas

11930 Hamden Place  
Santa Fe Springs  
CA 90670 USA  
Tel: +1 760-343-3650  
info@bulgin.com

#### APAC

Room 902 No. 568 Hengfeng Road,  
Henhui International Building,  
Shanghai 200070, PR China  
Tel: +86 21 6040 0060  
info@bulgin.com