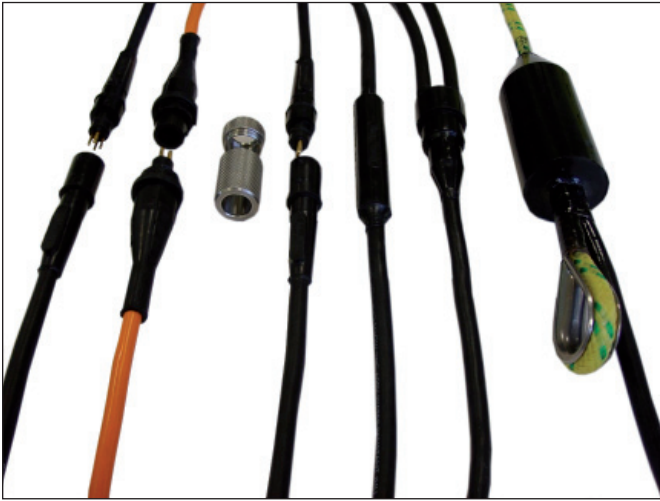


Connectors & Cables



Our rubber moulded connectors have been manufactured and supplied to civilian and military markets for over 25 years. Our RMG connector range is used to terminate both neoprene rubber and polyurethane jacketed cable, providing economic and reliable underwater connections for electrical services ranging between delicate electronic signals and mains voltage power feeds.

Cables commonly used in aquacultural applications are normally stocked at our factory, which maintains a section dedicated to the rapid termination, and dispatch of cable assemblies.

The RMG series of in-line, straight connectors is designed in keeping with the original specifications for these time-honoured and very popular, submersible cable terminations. Accordingly they are interchangeable, or will mate with those of other manufacturers which are built to the same standards. We have retained "secondary sealing" at the interfaces of all contact pins and receptacles and very precise dimensioning within contact configurations.

The range includes dummy connectors and is completed by locking sleeves in stainless steel.

Connectors with short cable tails are available from stock and we offer a good delivery service for those moulded directly onto customer specified lengths of cable. The same service is extended to the provision of custom cable and connector harnesses incorporating multi-way splices, break-outs and penetrators.

Connector Part Code Breakdown

Rubber moulded	RM
Shell Size.....	G
Number of contacts	-2-
Male plug or female socket	MP/FS
Dummy (No Cable)	D

Locking sleeve part codes: Stainless steel

For male connector:	MV23
For female connector:.....	MV24

The 'secondary seal.' Which is a feature of the Aquabeam Aquaculture RMG series of connectors, is fully effective, only when mated pairs are secured by locking sleeves.

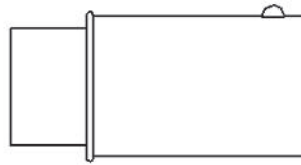
Range of Connectors

- > RMG underwater connectors
- > Enclosure cable penetrators
- > Cable Pulling grips
- > Cable thimbles
- > Specification & design service
- > Cable Splices
- > Polyurethane & Neoprene Cables
- > SWA Cables
- > AmpRope rope Cable (Signal Only)

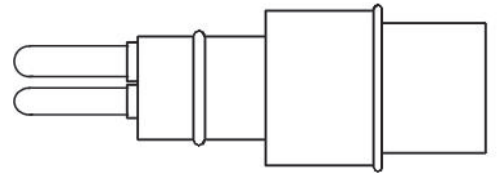
[More...](#)

A Q U A B E A M A Q U A C U L T U R E

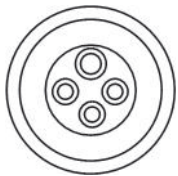
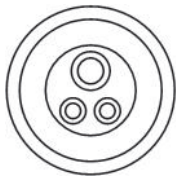
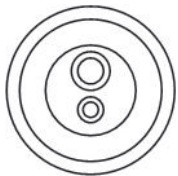
Technical Data



ARMG - FS



ARMG - MP



Connector Code	Front Face	Contact Gauge	Wiring Code	Cable Type & Description	Max D.C. Voltage	Max Current Per Conductor	Conductor Resistance (D.C)
RMG - 2 - MP RMG - 2 - FS		1 - 10 AWG 2 - 12 AWG	WHITE BLACK	S.O. 2 x 18 AWG*	600	7 AMPS	0.0231 Ohms per Metre
RMG - 3 - MP RMG - 3 - FS		1 - 10 AWG 2 - 12 AWG 3 - 12 AWG	WHITE BLACK GREEN	S.O. 3 x 16 AWG	600	10 AMPS	0.0142 Ohms per Metre
RMG - 4 - MP RMG - 4 - FS		1 - 12 AWG 2 - 16 AWG 3 - 16 AWG 4 - 16 AWG	WHITE BLACK GREEN RED	S.J.O. 4 x 18 AWG **	300 600	6 AMPS	0.0231 Ohms per Metre

* Cable type S.O. 2 x 16 AWG Fitted to order ** Cable type S.O. (600v) fitted to order

NOTE: The colour code used by some manufacturers of the RMG - 4 - MP / FS is reversed for contacts 2 and 4 i.e. Red and Black.

GENERAL SPECIFICATION

Max diameter without locking sleeve (excl. raised index)..... 19.0 mm
 Max diameter with locking sleeve - stainless steel..... 25.7 mm
 Maximum overall length of mated pair 153.0 mm
 General test pressure (under maximum load), testing to higher pressure on request 300 bar

MATERIALS

Neoprene body moulding - gold plated, brass pins and manganese receptacles; Locking sleeves in stainless steel (316)

CABLE

Cable Type S.O. comprises multi-standard, soft annealed copper conductors insulated with colour coded, synthetic, E. P. rubber, hemp fillers and neoprene jacket. The latter is flame retardant and resistant to oil and most chemicals. The cable will operate continuously in air at 90°C and is widely used as a submersible, flexible and portable power and control cable within the offshore, oil and gas industry. Type S.J.O is similarly constructed from the same materials but designed to function as a fixed cable and accordingly, carries a lighter jacket than type S.O. It is no less flexible however and regularly used in diver communication systems, passing comfortably through the comms cable gland within the D.S.I range of masks and helmets. Connectors may be moulded directly onto special cables to order.

NOTES FOR THE CONNECTOR USER

Maintain all mated surfaces in a clean condition and lightly lubricated with silicon - grease. Hold connector bodies when separating mating units and apply in-line pressure. Do not separate by tugging cable and do not bend the mated pair. Always use locking sleeves to secure connections.

T: +44 (0) 1476 576280 **F:** +44 (0) 1476 561557 **E:** mail@bgbmarine.com **W:** www.bgbmarine.com

BGB Innovation and BGB Marine are trading styles of BGB Engineering Ltd. Dysart Road, Grantham, Lincolnshire NG31 7NB UK

