

NEWS BULLETIN

EX-MATE Exd Explosion Proof Connector Range



INTRODUCTION

In recent years there has been an increased requirement for connectors to operate in hazardous environments and many applications now require quick and safe disconnection of connectors to be used in these environments. As a result SEACON (europe) Ltd has developed a new robust range of Exd connectors.



AVAILABILITY

The **EX-MATE** is based around SEACON (europe)'s existing and successful **SEA-MATE** range and is therefore fully wet-mateable in addition to its suitability for use in explosive environments. It is also available in 4 shell sizes (G, K, L, M) between 2 & 37 contact configurations. However like the **SEA-MATE**, this series has interchangeable inserts so can be adapted to a number of pin configurations. In addition, the **EX-MATE** incorporates an ATEX approved glanding system for the cable which is encapsulated within the over mould, making it suitable for a range of hazardous environments.

TESTING

The **EX-MATE** is currently undergoing testing at an independent testing house and is expected to achieve ATEX certification to II 2 G Ex d IIC T4 amb -20°C +50°C. Full testing information will be available shortly.

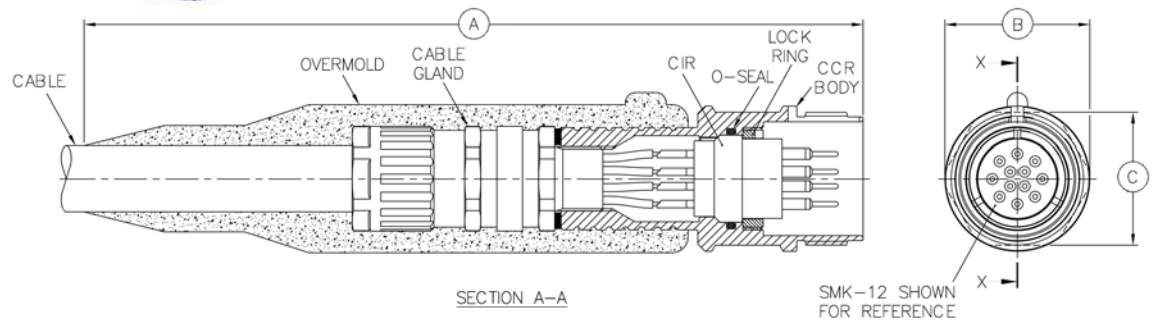
APPLICATIONS

The **EX-MATE** is suitable for a number of applications including Topside FPSO, Drilling Vessels, Mining or where any potentially explosive environment exists.

DIMENSION DETAILS

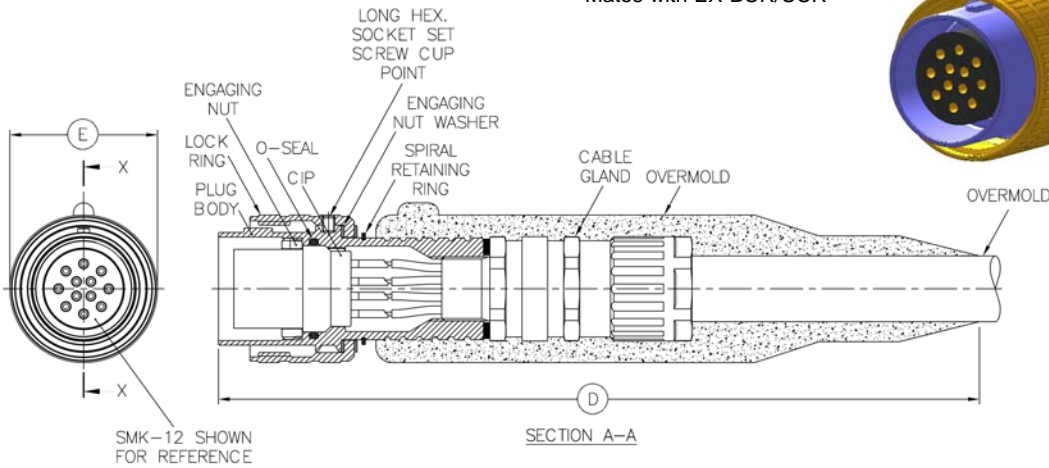
**EX-MATE SERIES
EX-CCR**

EX-MATE Cable Connector Receptacle
Mates with EX-CCP



**EX-MATE SERIES
EX-CCP**

EX-MATE Cable Connector Plug
Mates with EX-BCR/CCR



| CONNECTOR | A - APPROX. LENGTH (mm) | B - Ø (mm) | C - HEX LENGTH (mm) | D - APPROX. LENGTH (mm) | E - Ø (mm) |
|---------------|-------------------------|------------|---------------------|-------------------------|------------|
| EXG-CCR / CCP | 242 | 35.56 | 31.75 | 237 | 36.45 |
| EXK-CCR / CCP | 242 | 45.10 | 41.28 | 237 | 46.00 |
| EXL-CCR / CCP | 242 | 54.60 | 50.80 | 237 | 55.50 |
| EXM-CCR / CCP | 242 | 64.15 | 60.32 | 237 | 65.00 |

NOTE:

- Contact configurations are the same as the standard **SEA-MATE** range of connectors.

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