



# EZ-MATE Ex CONNECTOR

FIBER OPTIC MULTI-CHANNEL ADAPTER SOLUTIONS  
FOR HAZARDOUS LOCATIONS



On production and drilling sites, operators and contractors are encountering increased automation, allowing for real time decision making, and reduced drilling and operational costs. Optical Cable Corporation works with engineers from drilling and production companies to help design end-to-end fiber solutions for these networks. Some of these locations are in hazardous and explosive areas, which require Ex certifications. OCC has addressed this by releasing the EZ-Mate Ex, which provides up to 24 fiber connections in a single connector and has hazardous location protection for Zone 1 and 21.

OCC's EZ-Mate Ex meets safety requirements for ATEX (Atmospheres Explosibles) Zone 1 (Gas) and Zone 21 (Dust). These requirements are based on directives from the European Union and IECEx (International Electrotechnical Commission Explosive) certification standards.

### ZONE PROTECTIONS

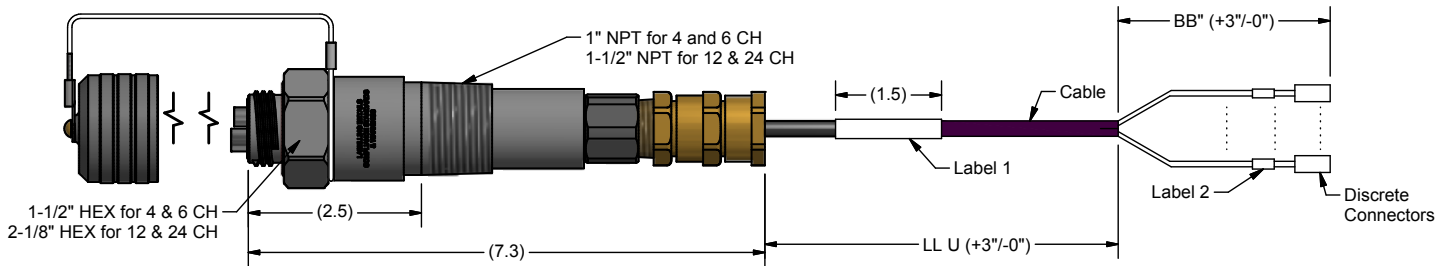
- Flameproof for Zone 1 & 2 (60079-1) db
- Increased Safety Zone 1 & 2 (60079-7) eb
- Optical Radiation Zone 1 & 2 (60079-28) op pr
- Dust Protection Zone 21 & 22 (60079-31) tb



### APPLICATIONS :

- > Onshore and Offshore Oil platform
- > Drillships
- > Gas Pipelines and Distribution Centers
- > Refineries
- > Automotive Refueling Stations or Petrol Stations
- > Chemical Processing Plants

## 4 & 6 CHANNELS EZ-Mate Ex DIMENSIONAL DRAWING



### EZ-MATE Ex CONNECTORS INCLUDE:

- > EZ-Mate XRC (2-24 Channels)
- > Available in two shell sizes and will allow up to 24 fiber connections.
- > Each receptacle can be mounted to an increased safety or flame-proof enclosure, allowing for multiple easy connect and disconnect deployments, reducing tear down time.
- > Available in 3 different material options to meet any application:
  - » *Aluminum Black Anodized - Ideal for onshore*
  - » *Brass and/or Stainless Steel - Better for offshore and resistant to oil and salt spray*
- > 4 and 6 CH connectors use 1" NPT while 12 and 24 CH connectors use 1-1/2" NPT.
- > COTS-M83526™ XRT (2-12 Channels)
- > OCC manufactures the cable and connectors for an end-to-end solution.

### RATINGS:

**For Gas:** II 2 G Ex db eb op pr IIC Gb

**For Dust:** II 2 D Ex op pr tb IIIC Db

IP 66 Rated

-34°C ≤ Ta ≤ 80°C

### CERTIFICATE#:

**IECEX:** IECEX ITS 16.0068X

**ATEX:** ITS16ATEX101151X



Contact an OCC  
representative today!

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