

## QFCI/QFCU

Multiloose



Approved by:



MLO-000-\*\*-M1-A1-FR-QFCI/QFCU

### APPLICATIONS

- Safety Systems, Critical Connections and Fire Fighting Systems
- Outdoor installation in Off-shore, Oil & Gas and Marine applications
- Data transmission and telecommunication systems

### OPERATING TEMPERATURE

-40 °C / + 70 °C (operating)  
 -40 °C / + 70 °C (storage)  
 -10 °C / + 70 °C (installation)

### MINIMUM BENDING RADIUS

20 times overall diameter (dynamic)  
 10 times overall diameter (static)

### CABLE CONSTRUCTION

#### Fibres

Singlemode and multimode fibres, with loose technology coating.

#### Structure

The jelly filled tubes containing the fibres are individually wound with a mica tape and are cabled around a central steel or FRP (fibreglass reinforced plastic) element. A flame resistant tape improves fire resistance.

#### Inner sheath

LSZH (M1) compound.

#### Armouring

A1 Galvanized steel wire braid

#### Outer sheath

**QFCI** type: LSZH - SHF1 (M1) compound

**QFCU** type: oil and mud resistant LSZH - SHF2 (M1) compound

### APPLICABLE STANDARDS

#### Optical fibre characteristics

IEC 60793-1

#### Optical fibre cable characteristics

IEC 60793-1

#### Fire Resistant

IEC 60331-25 EN 50200 PH30/PH120

#### Fire retardant

IEC 60332-3 EN 60332-3

#### Flame retardant

IEC 60332-1-2 EN 60332-1-2

#### Acid gas emission:

EN 60754-1 / IEC 60754-1

EN 60754-2 / IEC 60754-12

#### Smoke density

IEC 61034-2 EN 50268-2

#### Cables for offshore installation

NEK 606

Type	Fibre (n° max)	Tube Diameter (mm)	Diameter (mm)	Weight (kg/km)	Tension load (N)	Crush (N/100mm)
MLO-000-**(n)-M1-A1-FR-QFCI/QFCU	4	2.0	13.5	230	1500	3000
MLO-000-**(n)-M1-A1-FR-QFCI/QFCU	8	2.0	13.5	230	1500	3000
MLO-000-**(n)-M1-A1-FR-QFCI/QFCU	12	2.0	13.5	230	1500	3000
MLO-000-**(n)-M1-A1-FR-QFCI/QFCU	24	2.0	13.5	230	1500	3000
MLO-000-**(n)-M1-A1-FR-QFCI/QFCU	48	2.0	13.5	230	1500	3000

approximate values