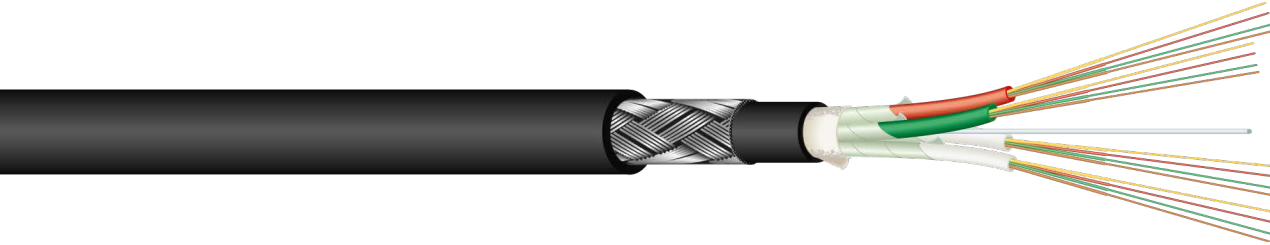


# QFCI/QFCU

Multiloose Fire resistant

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



Approved by:



## 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 wrapped 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 compound.

### Armouring

Galvanized steel wire braid

### Outer sheath

**QFCI** type: LSZH - SHF1 compound

**QFCU** type: LSZH SHF2, SHF2 MUD resistant compound<sup>(1)</sup>

## APPLICABLE STANDARDS

### Materials

IEC 60092-360

### Optical fibre characteristics

IEC 60794-1-1, IEC 60794-1-2

### Fire resistant

IEC 60331-25

### Fire retardant

IEC 60332-3-24

### Flame retardant

IEC 60332-1-2

### Acid gas emission

IEC 60754-1, EC 60754-2

### 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	2.5	13.5	230	1500	3000
MLO-000-**(n)-M1-A1-FR-QFCI/QFCU	8	2.5	13.5	230	1500	3000
MLO-000-**(n)-M1-A1-FR-QFCI/QFCU	12	2.5	13.5	230	1500	3000
MLO-000-**(n)-M1-A1-FR-QFCI/QFCU	24	2.5	13.5	230	1500	3000
MLO-000-**(n)-M1-A1-FR-QFCI/QFCU	48	2.5	13.5	230	1500	3000

approximate values

<sup>(1)</sup> Tested for: Oil based drilling fluid, Calcio Bromide Brine, IRM 902 and IRM 903 oils

