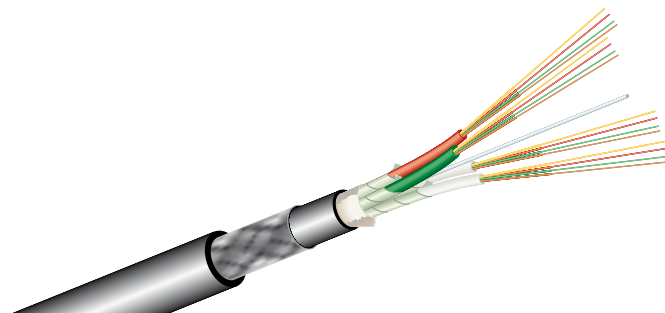


SPECIAL HIGH PERFORMANCE CABLES - FIRE RESISTANT

QFCI/QFCU - Multiloose



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

Approved by:



FEATURES & APPLICATIONS

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

TEMPERATURE RANGE

- 40/+70°C (operating)
- 40 /+70°C (storage)
- 10 /+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 (M1) compound

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

APPLICABLE STANDARDS

Optical fibre characteristics IEC 60793-1

Optical fibre cable characteristics IEC 60794-1

Fire Resistant IEC 60331-25 EN 50200 PH30/PH120

Fire retardant IEC 60332-3 EN 50266

Flame retardant IEC 60332-1EN 60332-1

Test on gases evolved during combustion IEC 60754 EN 50267-2

Low smoke emission 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