QFCI/QFCU

MULTILOOSE

OPTICEL
FIBRE OPTIC CABLE

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

Approved by:

DNV ABS NEK

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