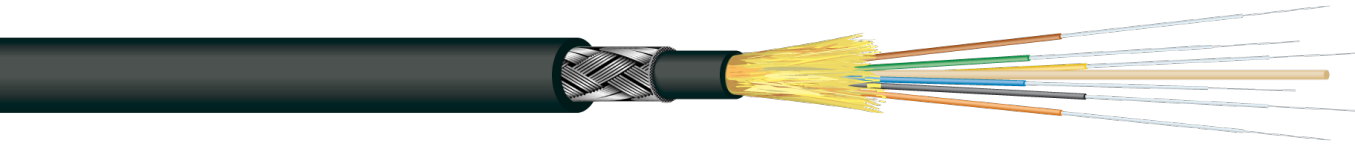


AIOI/AIOU

MultiTight

MTI-000-**-M1-A1-AIOI/AIOU



Approved by:



APPLICATIONS

- 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 tight technology coating.

Structure

Tight fibers (each single fiber reinforced by PA at 850 micron), assembled around a central FRP with peripheral swellable aramide yarns.

Inner sheath

LSZH compound.

Armouring

Tinned copper wire braid

Outer sheath

AIOI type: LSZH SHF1 compound

AIOU type: LSZH SHF2, SHF2 MUD resistant compound⁽¹⁾

APPLICABLE STANDARDS

Materials

IEC 60092-360

Optical fibre characteristics

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

Fireretardant

IEC 60332-3-24

Flame retardant

IEC 60332-1-2

Acid gas emission

IEC 60754-1, IEC 60754-2

Smoke density

IEC 61034-2

Cables for offshore installation

NEK 606

Type	Fibre (n° max)	Tube Diameter (mm)	Diameter (mm)	Weight (kg/km)	Tension load (N)	Crush (N/100mm)
MTI-000-**-M1-A1-AICI/AICU	2	0.850	7.8	88	500	2000
MTI-000-**-M1-A1-AICI/AICU	4	0.850	8.0	98	600	2000
MTI-000-**-M1-A1-AICI/AICU	8	0.850	9.0	110	800	2000
MTI-000-**-M1-A1-AICI/AICU	12	0.850	10.2	145	1000	2000

approximate values

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