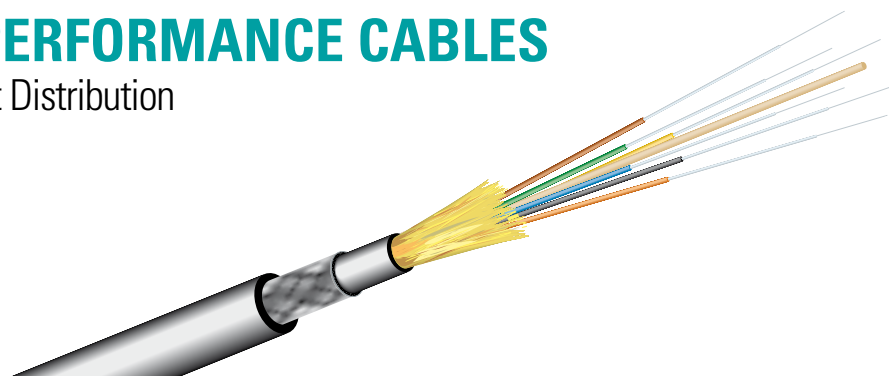


SPECIAL HIGH PERFORMANCE CABLES

AICI/AIOI/AICU - Multitight Distribution



MTI-000-**-M1-A1-AICI/AIOI/AICU

Approved by:



FEATURES & APPLICATIONS

- 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 tight coating.

Structure

Fibres are cabled around a FRP (fibreglass reinforced plastic) and reinforced with aramidic yarns.

Inner sheath

LSZH (M1) compound

Armouring

AICI type: galvanized steel wire braid

AIOI type: bare or tinned copper wire braid

Outer sheath

AICI type: LSZH (M1) compound

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

APPLICABLE STANDARDS

Optical fibre characteristics IEC 60793-1

Optical fibre cable characteristics IEC 60794-1

Fire retardant IEC 60332-3 EN 50266

Flame retardant IEC 60332-1 EN 60332-1

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

Low smoke emission IEC 61034-2EN 50268-2

Cables for offshore installation NEK 606

Type	Fibre (n° max)	Diameter (mm)	Weight (kg/km)	Tension load (N)	Crush (N/100mm)
MTI-000-02-M1-A1-AICI/AIOI/AICU	2	7.8	80	600	2000
MTI-000-04-M1-A1-AICI/AIOI/AICU	4	8.0	88	600	2000
MTI-000-06-M1-A1-AICI/AIOI/AICU	6	8.0	90	800	200
MTI-000-08-M1-A1-AICI/AIOI/AICU	8	9.0	110	1000	2000
MTI-000-12-M1-A1-AICI/AIOI/AICU	12	10.0	130	1000	2000
MTI-000-16-M1-A1-AICI/AIOI/AICU	16	10.5	165	1000	2000
MTI-000-24-M1-A1-AICI/AIOI/AICU	24	12.0	190	1200	2000

approximate values