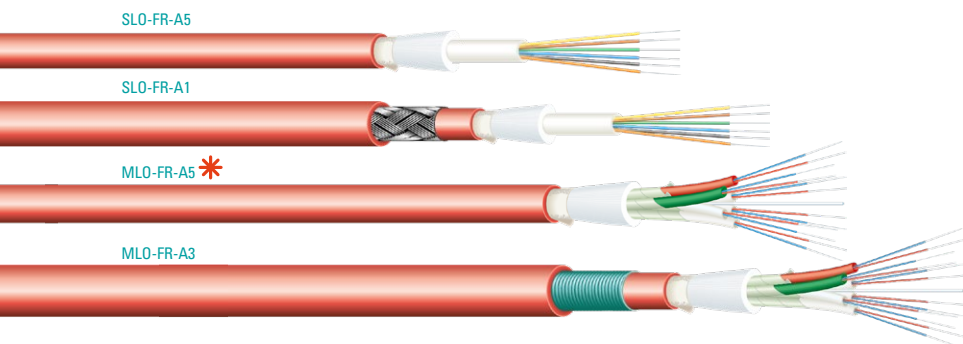


SLO/MLO

LOOSE BUFFERED CABLES



OPTICEL

FIBRE OPTIC CABLE

SINGLETUBE

SLO-000-**-M1-A5-FR
SLO-000-**-M1-A1-FR

MULTITUBE

MLO-000-**-M1-A5-FR *
MLO-000-**-M1-A3-FR



Applications

These cables are used inside buildings, tunnels or closed areas in general, also for outdoor application for instrumentation and Oil & Gas applications.

Operating temperature

-40°C to +90°C

Minimum bending radius

10 times the outer diameter.

Cable construction

Fibres

Singlemode and multimode fibres, with loose technology coating.

Structure

- For type SLO-FR the jelly filled tube containing the fibres is reinforced with glass yarns and is wound with a flame resistant tape.
- For type MLO-FR 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. When necessary glass yarn is the traction element. A flame resistant tape improves fire resistance.

Inner sheath

(only for A1 and A3 armoured cables)
LSZH thermoplastic compound.

Armouring

- A1 Galvanized steel wire braid
- A3 Corrugated steel tape
- A5 Anti-rodent glass yarns

Outer sheath

LSZH thermoplastic compound.
Colour red (other colours on request).

Applicable Standards

Basic design BS 7629

Fire resistant BS 6387 – CWZ

Fire resistant IEC 60331-25

Flame retardant IEC 60332-1-2

Fire retardant IEC 60332-3-24 (cat. C)

Acid gas emission BS EN 60754-1;

BS EN 60754-2

Smoke density IEC 61034-2

Available upon request

Armouring

A7 - Steel wire armour

	Tube diameter (mm)	Outer diameter (mm)	Weight (kg/km)
** - number of fibres	SLO-000-**-M1-A5-FR		
2 ÷ 12	2.7	8.0	70
16 ÷ 24	3.5	9.0	80
** - number of fibres	SLO-000-**-M1-A1-FR		
2 ÷ 12	2.7	11.5	160
16 ÷ 24	3.5	12.0	180
** - max number of fibres	MLO-000-**(n)-M1-A5-FR *		
72	2.0	15.0	230
96	2.0	16.5	250
144	2.0	20.5	280
** - max number of fibres	MLO-000-**(n)-M1-A3-FR		
72	2.0	15.0	280
96	2.0	17.5	310
144	2.0	21.5	350

Approximate values

* Cables MLO-FR-**-M1-A5-FR up to 72 fibres are LPCB approved, ref. 217i
For the scope of the LPCB Approval see www.redbooklive.com