FIRECEL
Fire Resistant Cables

SLO/MLO
Loose Buffered Cables

SLO-FR-A5

SLO-FR-A1

MLO-FR-A5

MLO-FR-A3

OPTICEL
FIBRE OPTIC CABLE
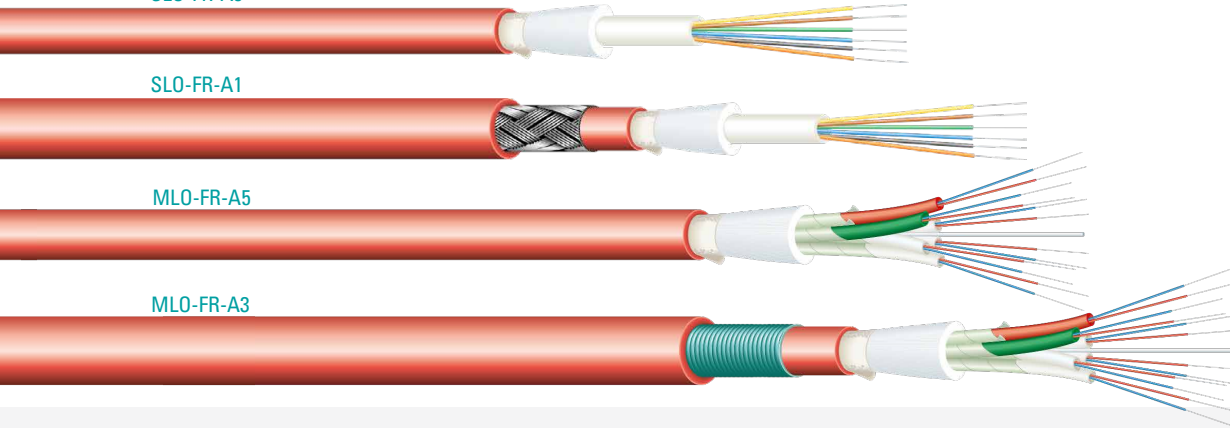
SINGLE TUBE

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

MULTI TUBE

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 orange (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

Cavicel