

FIRE RESISTANT LOOSE BUFFERED CABLES



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



LPCB ref. 217i For the scope of the LPCB Approval see www.redbooklive.com

FEATURES & APPLICATIONS

- Safety Systems, Critical Connections and Fire Fighting Systems
- Indoor and outdoor installation
- Tunnels and closed areas in general
- Metro and railway station, airport.

LPCB certification ensures constant and maximum control of behavior during a fire, providing the utmost guarantee of reliability and safety.

TEMPERATURE RANGE

-40 °C / +70 °C (operating) -40 °C / +70 °C (storage)

-10 °C / +60 °C (installation)

MINIMUM BENDING RADIUS

20 times overall diameter (dynamic) 10 times overall diameter (static)

CABLE CONSTRUCTION

Fihre

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 FRP (fiberglass reinforced plastic) strength member.

Glass yarn is an additional traction element, and also acts as antirodent protection.

A special flame resistant tape improves fire resistance.

The outer jacket is LSZH (M1) compound.

APPLICABLE STANDARDS

Optical fibre characteristics IIEC 60793-1

Optical fibre cable characteristics IEC 60794-1

Fire resistant IEC 60331-25

Fire retardant IEC 60332-3 EN 60332-3

Flame retardant IEC 60332-1 EN 60332-1

Test on gases evolved during combustion IEC 60744-2 EN 60754-2 Low smoke emission IEC 61034-2 EN 61034-2

Туре	Max n. of fibres	Tube Diameter (mm)	Diameter (mm)	Weight (kg/km)	Tension load (N)	Crush (N/100mm)
A5 DIELECTRIC ARMOURED						
MLO-000-**(n)-M1-A5-FR	48	2.0	10.6	120	3000	3000
MLO-000-**(n)-M1-A5-FR	72	2.0	12.0	130	3000	3000

approximate values



