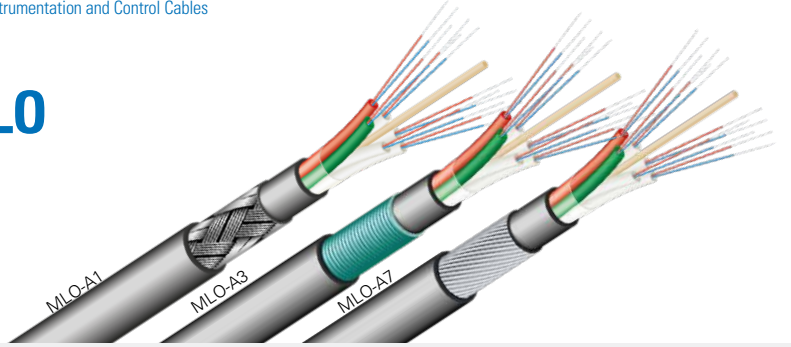


FIBRE OPTIC CABLES - MLO

Loose Buffered Cables



MLO-000-**(n)-M1-A1
MLO-000-**(n)-M1-A3
MLO-000-**(n)-M1-A7

APPLICATIONS

Indoor and outdoor installation
Armoured version suitable for burial, inside conduit and aerial installation

OPERATING TEMPERATURE

-20 °C to +80 °C (for general use); -40 °C to +90 °C (on request).

MINIMUM BENDING RADIUS

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

CABLE CONSTRUCTION

Fibres Singlemode and multimode fibres, with loose technology coating.

Structure The jelly filled tubes containing the fibres, are cabled around a central steel or FRP (fibreglass reinforced plastic) element, wound with polyester tape.

Inner sheath LSZH (M1) compound

Armour

A1 Galvanized steel wire braid
A3 Corrugated steel tape
A7 Steel wire armour

Outer sheath LSZH (M1) compound. Other materials (PVC, polyethylene) can be used for special applications (resistance to water, oil, hydrocarbons, UV rays).

APPLICABLE STANDARDS

Optical fibre characteristics IEC 60793-1
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Fire retardant IEC 60332-3

Flame retardant IEC 60332-1
Test on gases evolved during combustion IEC 60754-1/2
Low smoke emission IEC 61034-2

Type	Fibre (n° max)	Tube Diameter (mm)	Diameter (mm)	Weight (kg/km)	Tension load (N)	Crush (N/100mm)
A1 Metallic armour						
MLO-000-**(n)-M1-A1	72	2.0	14.5	280	1500	3500
MLO-000-**(n)-M1-A1	96	2.0	16.5	310	2000	3500
MLO-000-**(n)-M1-A1	144	2.0	20.0	350	2500	3500
A3 Metallic armour						
MLO-000-**(n)-M1-A3	72	2.0	14.8	270	3000	5000
MLO-000-**(n)-M1-A3	96	2.0	16.0	290	3000	5000
MLO-000-**(n)-M1-A3	144	2.0	19.0	350	3500	5000
A7 Metallic armour						
MLO-000-**(n)-M1-A7	72	2.0	13.5	300	3500	5000
MLO-000-**(n)-M1-A7	96	2.0	14.5	340	4000	5000
MLO-000-**(n)-M1-A7	144	2.0	17.5	400	4000	5000

approximate values

000 = Type of fibre
** = Number of fibres
(n) = Number of tubes