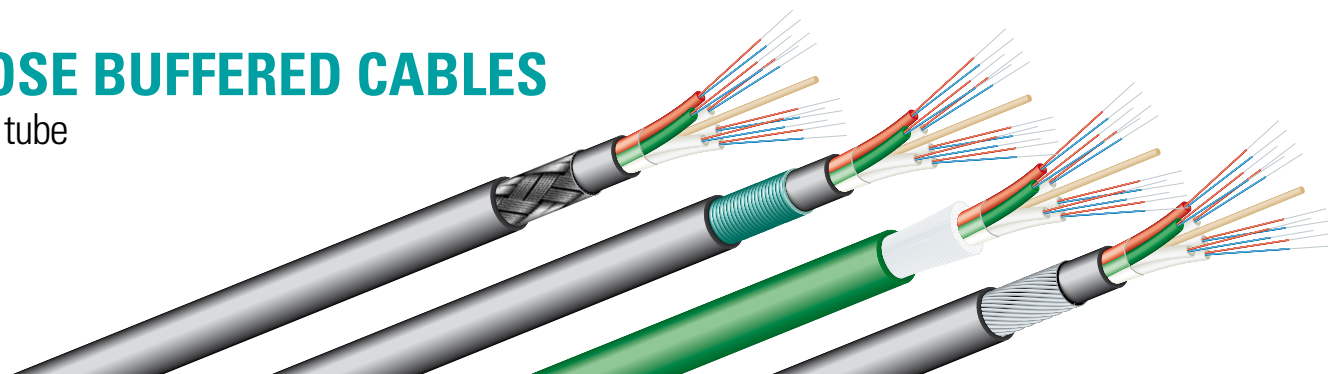


LOOSE BUFFERED CABLES

Multi tube



MLO-000-**(n)-M1-A1
MLO-000-**(n)-M1-A3
MLO-000-**(n)-M1-A5
MLO-000-**(n)-M1-A7

FEATURES & APPLICATIONS

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

TEMPERATURE RANGE

-40/+70°C (operating)
-40/+70°C (storage)
-10/+60°C (installation)

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 (only for A1, A3 and A7 armoured cables)

Armouring

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

Optical fibre cable characteristics IEC 60794-1

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

Type	Fibre (n° max)	Tube Diameter (mm)	Diameter (mm)	Weight (kg/km)	Tension load (N)	Crush (N/100mm)
A1 METALLIC ARMoured						
MLO-000-**(n)-M1-A1	72	2.0	14.5	280	1500	3000
MLO-000-**(n)-M1-A1	96	2.0	16.5	310	2000	3000
MLO-000-**(n)-M1-A1	144	2.0	20.0	350	2500	3000
A3 METALLIC ARMoured						
MLO-000-**(n)-M1-A3	72	2.0	14.8	270	3000	3500
MLO-000-**(n)-M1-A3	96	2.0	16.0	290	3000	3500
MLO-000-**(n)-M1-A3	144	2.0	19.0	350	3500	3500
A5 DIELECTRIC ARMoured						
MLO-000-**(n)-M1-A5	72	2.0	12.0	150	3000	2500
MLO-000-**(n)-M1-A5	96	2.0	14.5	250	3500	2500
MLO-000-**(n)-M1-A5	144	2.0	17.0	300	3500	2500
A7 METALLIC ARMoured						
MLO-000-**(n)-M1-A7	72	2.0	13.5	300	3500	4000
MLO-000-**(n)-M1-A7	96	2.0	14.5	340	4000	4000
MLO-000-**(n)-M1-A7	144	2.0	17.5	400	4000	4000

approximate values