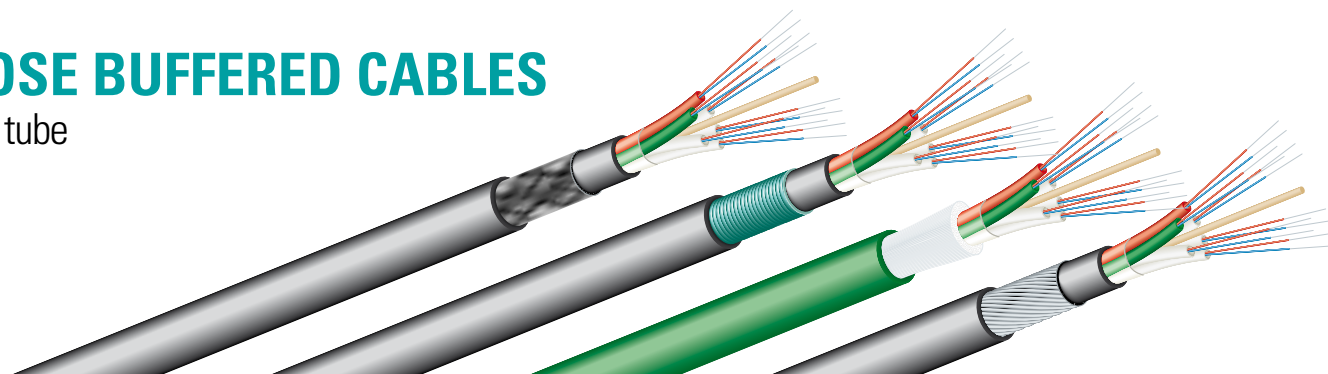


# LOOSE BUFFERED CABLES

## 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

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*Fire retardant* IEC 60332-3 EN 50266

*Flame retardant* IEC 60332-1 EN 60332-1

*Test on gases evolved during combustion* IEC 60754 EN 50267-2

*Low smoke emission* IEC 61034-2 EN 50268-2

Type	Fibre (n° max)	Tube Diameter (mm)	Diameter (mm)	Weight (kg/km)	Tension load (N)	Crush (N/100mm)
<b>A1 METALLIC ARMoured</b>						
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
<b>A3 METALLIC ARMoured</b>						
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
<b>A5 DIELECTRIC ARMoured</b>						
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
<b>A7 METALLIC ARMoured</b>						
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