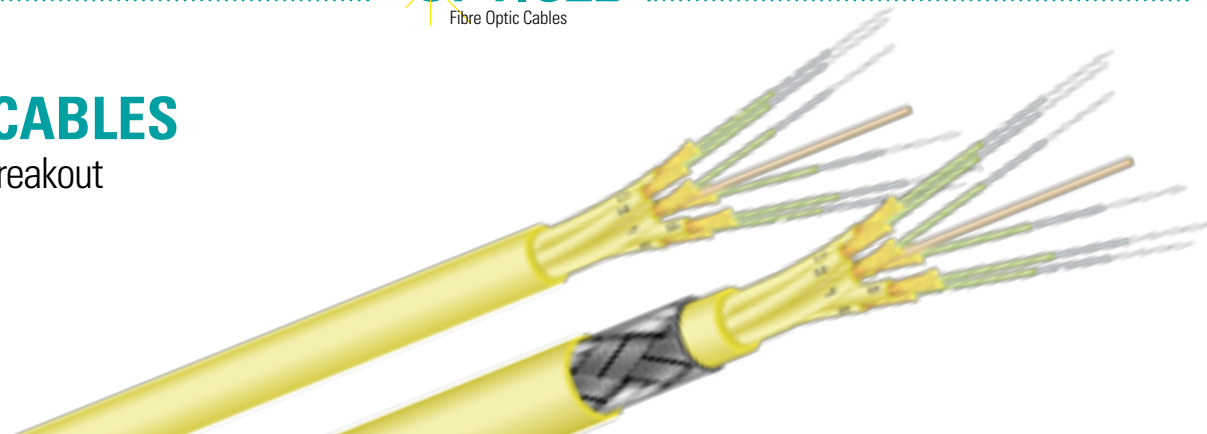


# TIGHT CABLES

## Multifibre Breakout



MLD - 000-\*\*-M1  
MLD - 000-\*\*-M1-A1

### FEATURES & APPLICATIONS

- Mainly for indoor installation, raised floor, cables trays or "ladder racks"
- LAN networks
- Tunnels and closed areas in general

### TEMPERATURE RANGE

-20/+70°C (operating);  
-30/+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 tight or semi-tight (S) coating. Each single fibre is coated with aramidic yarns and covered with a sheath made of LSZH (M1) material, thus forming a SIM optical unit.

#### Structure

The SIM optical units are cabled around a central FRP (fibreglass reinforced plastic).

#### Inner sheath

LSZH (M1) compound

#### Armouring

A1 Galvanized steel wire braid

#### Outer sheath

LSZH (M1) compound

### APPLICABLE STANDARDS

*Optical fibre characteristics* IEC 60793-1

*Optical fibre cable characteristics* IEC 60794-1

*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°)	Subunit Diameter (mm)	Diameter (mm)	Weight (kg/km)	Tension load (N)	Crush (N/100mm)
<b>UNARMoured</b>						
MLD-000-04-M1	04	2.0	7.5	50	600	1000
MLD-000-06-M1	06	2.0	9.0	75	800	1000
MLD-000-08-M1	08	2.0	10.0	100	1000	1000
MLD-000-12-M1	12	2.0	12.5	125	1500	1000
MLD-000-16-M1	16	2.0	13.0	135	2000	1000
MLD-000-18-M1	18	2.0	13.5	150	2000	1000
MLD-000-24-M1	24	2.0	15.0	200	2500	1000
<b>A1 METALLIC ARMoured</b>						
MLD-000-04-M1-A1	04	2.0	10.0	150	800	1500
MLD-000-06-M1-A1	06	2.0	11.5	180	1000	1500
MLD-000-08-M1-A1	08	2.0	13.0	260	1500	1500
MLD-000-12-M1-A1	12	2.0	14.5	280	1800	1500
MLD-000-16-M1-A1	16	2.0	15.0	285	2200	1500
MLD-000-18-M1-A1	18	2.0	16.0	290	2500	1500
MLD-000-24-M1-A1	24	2.0	17.0	320	2800	1500

approximate values