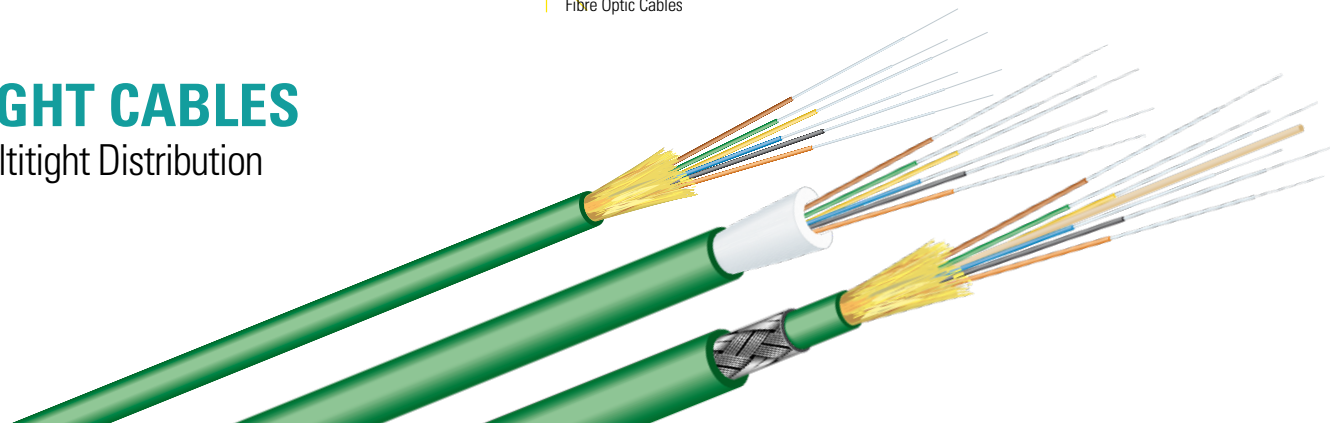


# TIGHT CABLES

## Multitight Distribution



FDI-000-\*\*-M1  
FDI-000-\*\*-M1-A5  
MTI-000-\*\*-M1-A1

### FEATURES & APPLICATIONS

- High flexibility
- Mainly for indoor installation and connections among optical patch panels
- LAN networks
- Tunnels and closed areas in general

### TEMPERATURE RANGE

-20/+70°C (operating);  
-30/+70°C (storage);  
-5/+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 coating.

#### Structure

- In FDI cables, the fibres are longitudinal and reinforced with aramidic yarns as a traction element.
- In MTI cables, the fibres are cabled around a FRP (fibreglass reinforced plastic) and reinforced with aramidic yarns.

#### Inner sheath

LSZH (M1) compound (only for A1 armoured cables)

#### Armouring

A1 Galvanized steel wire braid; A5 Anti-rodent glass yarns and traction element, instead of aramidic yarns

#### 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 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°)	Diameter (mm)	Weight (kg/km)	Tension load (N)	Crush (N/100mm)
<b>FDI UNARMoured</b>					
FDI-000-02-M1	2	4.7	25	400	800
FDI-000-04-M1	4	4.7	25	400	800
FDI-000-06-M1	6	5.5	30	600	800
FDI-000-08-M1	8	6.8	35	800	800
FDI-000-12-M1	12	7.7	40	1000	800
<b>FDI-A5 DIELECTRIC ARMoured</b>					
FDI-000-02-M1-A5	2	7.8	80	600	1000
FDI-000-04-M1-A5	4	7.8	80	600	1000
FDI-000-06-M1-A5	6	8.0	90	800	1000
FDI-000-08-M1-A5	8	9.0	120	1000	1000
FDI-000-12-M1-A5	12	9.8	140	1200	1000
<b>MTI-A1 METALLIC ARMoured</b>					
MTI-000-02-M1-A1	2	7.8	80	600	1500
MTI-000-04-M1-A1	4	7.8	80	600	1500
MTI-000-06-M1-A1	6	8.0	90	800	1500
MTI-000-08-M1-A1	8	9.0	120	1000	1500
MTI-000-12-M1-A1	12	9.8	140	1200	1500

approximate values