

# CABLE



## About Us

Prysmian is a global market leader in optical cables, supplying a major part of the world's optical cable needs. With a strong heritage of highly advanced R&D, Prysmian is at the leading edge of the technology.

Prysmian has a worldwide telecom manufacturing presence in 12 countries and 4 continents. This global expertise and local manufacturing capacity make Prysmian a significant force in the international marketplace, assuring continuity of supply and high levels of service.

Prysmian's optical technology encompasses optical fibres, cables, connectivity, projects and services ensuring that not only the right cable but the right total optical communication system is matched to our customers' needs.

Prysmian offers a complete service from design, development and manufacture through to technical support of commissioned cable networks. Planning and logistics are the cornerstone of our operation, with quality maintained through the expertise and dedication of all our staff working across the business to ISO 9001 and 14000 standards.

When a project is in Prysmian's hands, our customers can depend on a total quality service.

## Multi Loose Tube Cable

Wide range of designs and applications

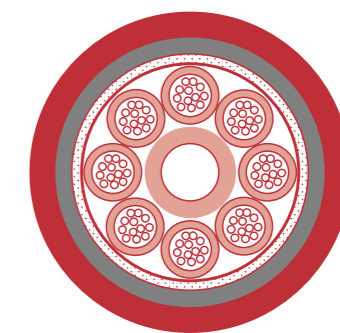
Fibre count up to 720f

Extensive range of designs

Wide range of applications



Recommended for **FTTx**



Specifications are subject to change without notice. Cable are designed and tested according to the main national and international specifications (IEC specifications).

dega design group

2008

2008

**Prysmian Cables and Systems**

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[www.prysmian.com](http://www.prysmian.com)



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## Multi Loose Tube Cable

Wide range of designs, both metallic and dielectric, incorporating filled buffer tubes. Available metal-free or armoured (steel laminated (SPL) or wires (SWA)).

Special design available for installations by blowing (air) technique.

### Benefits

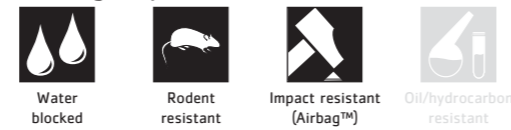
- > Fibre count up to 720f
- > Strain free fibres in a stranded loose tube design
- > Most common and widely used design
- > Reverse Oscillating Lay (ROL) stranding method facilitates mid-span access of fibres
- > Suitable for access and long distance applications

### Construction options

### Full range of fibre types

- > Jelly filled
- > Dry core
- > G.651 (Multi mode fibre)
- > G.652 (Single mode fibre)
- > G.655 (NZD fibre)

### Full range of protections



### Full range of applications

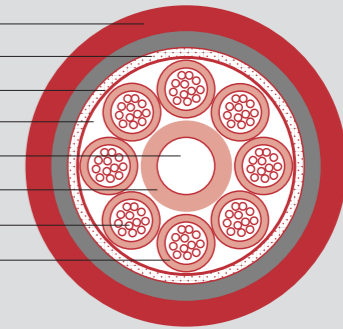


### Further protections available



### CROSS SECTION DRAWING

- Outer sheath
- Outer strength members
- Wrapping tape
- Waterblocking compound
- Central strength member
- Plastic central member upjacketing
- Optical fibre
- Filled buffer loose tube



### TYPICAL PARAMETERS\*

Number of fibres	n°	up to 72	up to 96	up to 144	up to 288	up to 432	up to 720
Nominal outer diameter	mm	12.3	13.8	17.5	20	23	27
Cable weight	kg/km	125	160	250	300	360	600
Minimum bend radius	mm	130	175	200	200	230	270
Tensile strength	N	1900	2400	2500	3000	3600	6000

Temperatures Operation	°C	-40/+70
Temperatures Installation	°C	-10/+40
Temperatures Storage	°C	-40/+70

\* Referred to the dielectric design. Many different construction options are available upon specific customer requirements.