

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.

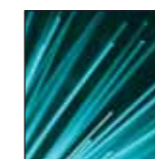
Prysmian offers a complete service from design, development and manufacture through to technical support of commissioned cable networks. Planning and logistics are the cornerstone of our operation, with quality maintained through the expertise and dedication of all our staff working across the business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

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

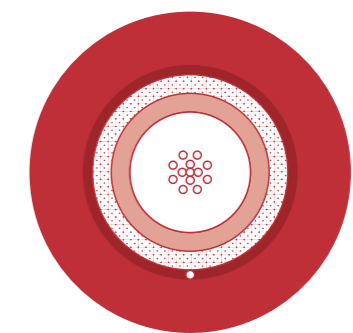
Unitube Cables

Single element designs for low fibre count applications

- > Designs up to 12f and alternatives for up to 24f
- > External (polyethylene) & Universal (Internal /External with LSOH) Options
- > Steel Plastic Laminate (SPL) designs for direct burial installations
- > Standard Designs for short runs e.g. campus applications
- > Robust Designs for more onerous situations e.g. Cable TV networks
- > Glass Armoured Rodent Resistant designs



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

Unitube Cables

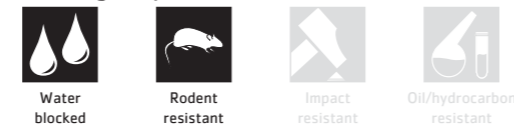


Prysmian offers a range of Unitube (single element) designs for cost effective solutions for low fibre count applications.

For applications requiring 24-fibres or less, Prysmian offers many alternative designs of Unitube construction, available as non-metallic design or with steel laminate (SPL). With singlemode or multimode fibres, these products find application in:

- Traditional telecommunication links for both long haul backbone networks and distribution applications.
- Cable TV distribution from hub to kerb.
- Campus networks.
- Industrial complexes.
- Within buildings and inter-connecting buildings without the need for building-entry joints.

Full range of protections



Full range of applications



Further protections available



Low fibre count dielectric designs for duct application with a single tube containing up to 12-fibres. Can be installed in 10 / 12 mm mini-ducts.

DESIGN PARAMETERS

	Standard	Robust	Robust
	Int./Ext.	Int./Ext.	Ext.
Sheath	LSOH	LSOH	Polyethylene
Fibrecount	to 12	to 12	to 12
Nominal outer diameter mm	6.5	7	8
Cable weight kg/km	48	58	55

PERFORMANCE SPECIFICATIONS

	Op.	Inst.	Op.	Inst.	Op.	Inst.
Tensile strength N	-	750	-	1500	-	1500
Min. bend radius mm	100	130	105	140	120	160
Crush N	-	1500	-	1500	-	1500
Temperatures Operation °C	-20/+60					
Temperatures Installation °C	-10/+40					

Other Unitube designs for use in duct or direct burial with a single tube containing up to 24-fibres. Examples as follows:

DESIGN PARAMETERS

	Standard	SPL	Rodent Resistant
	Int./Ext.	Int./Ext.	Ext.
Sheath	LSOH	LSOH	Polyethylene
Fibrecount	to 24	to 24	to 24
Nominal outer diameter mm	8.5	10.5	11.0
Cable weight kg/km	70	130	115

PERFORMANCE SPECIFICATIONS

	Op.	Inst.	Op.	Inst.	Op.	Inst.
Tensile strength N	-	750	-	1000	-	1000
Min. bend radius mm	130	170	160	210	165	220
Crush N	-	1500	-	1500	-	1500
Temperatures Operation °C	-20/+60					
Temperatures Installation °C	-10/+40					