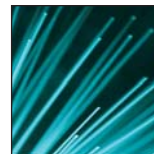




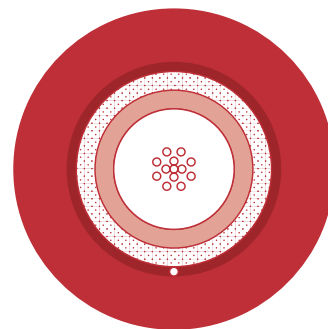
## Unitube Cables



- > **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**



# CABLE

## 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



Water blocked



Rodent resistant



Impact resistant



Oil/hydrocarbon resistant

### Full range of applications



Outdoor



Indoor



Aerial



Underground



Metro

### Further protections available



Flame retardant (Afumex™)



Impact resistant (Airbag™)



Rodent Resistant



Shotgun resistant



Track resistant (25 kV)

Unitube Cables



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					

Any questions? Our team of experienced technical staff is ready to talk to you. See contact details.

## 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.

With a worldwide telecom manufacturing presence in 12 countries and in 4 continents Prysmian's global experience and local manufacturing capacity is a significant force in the international marketplace, assuring continuity of supply and high level of service.

Prysmian's optical technology encompasses optical fibers, 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.

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