

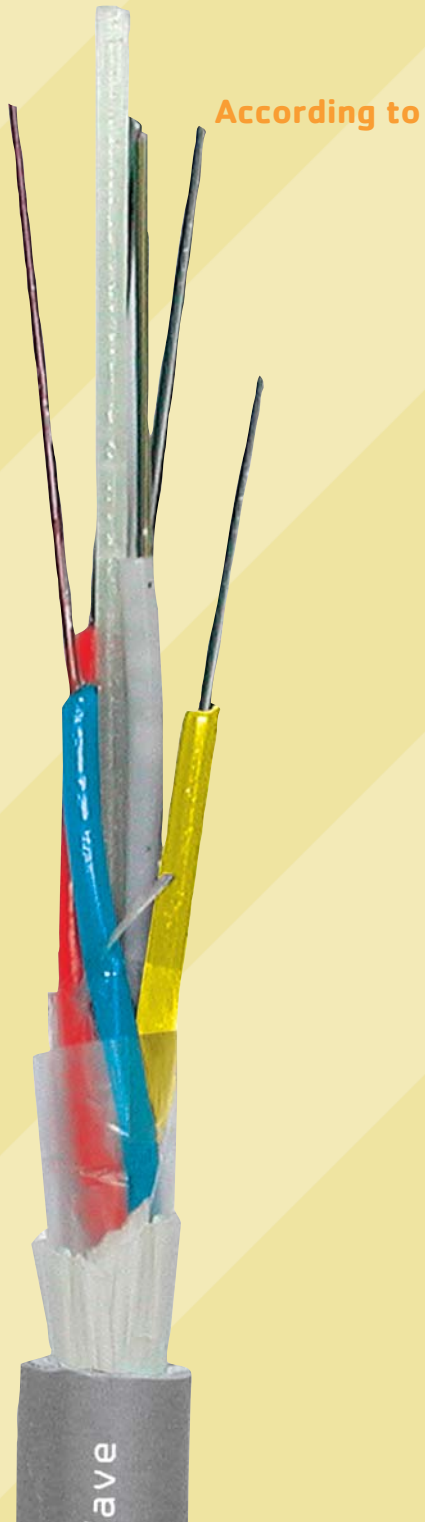
# OPTICAL



MULTI LOOSE TUBE

## Unarmoured

DW121  
DW122



- > IEC 11801 2<sup>nd</sup> Ed.
- > EN 50173 2<sup>nd</sup> Ed.

1<sup>st</sup> ISSUE 2006

ARCHITECTS OF LIGHT

# OPTICAL

MULTI LOOSE TUBE

## Unarmoured

As a global manufacturer of telecom products, Prysmian offers the market an integrated set of components, systems, engineering and installations for turn-key projects in the field of Premises, leading the transition from Copper to Fibre Optic.



### Applications

To exceed 24 fibre count, but keeping reduced dimension for **BackBone** in LAN environment, PRYSMIAN offers this compact 4-tubes cableprotected with Glass Yarns against **Rodent** attacks. Both **Indoor/Outdoor** (DW121) and typical **Outdoor** (DW122) versions can be also supplied as **Hybrid Solutions**, which means that different tubes can contain different kind of fibres. **Hybrid Solution** allows the installation of only one MultiTube cable instead of two to four Central Loose Tube cables.

Aimed at maximum flexibility, the FibreWave Line has been developed to contain all types of fibre for basic applications as well as up to the 10Gbit Ethernet, exceeding the requirements of the most common Structured Cabling International Standards - IEC 11801 2<sup>nd</sup> Ed. - EN 50173 2<sup>nd</sup> Ed.

**Afumex**<sup>®</sup>, the special LSOH Prysmian compound, is attractive where the generation of smoke or toxic emissions is potentially hazardous to people or equipment.

Flame retardant



IEC 60332-1  
EN 50265  
except  
DW122

Fire retardant



IEC 60332-3  
EN 50266  
except  
DW122

HCL



IEC 60754-2  
EN 50267

Smokes



IEC 61034  
EN 50268  
except  
DW122

Crush



≤ 2500 N/dm

Bending



op: ≥ 180 mm  
inst: ≥ 240 mm

Temperature



op: -30 °C/+70 °C  
inst: -5 °C/+50 °C  
sto: -45 °C/+70 °C

Tensile



op: ≤ 1000 N  
inst: ≤ 2000 N

All dielectric



Indoor/Outdoor



only DW121

Outdoor



only DW121

Rodent



DW121-DW122



## CONSTRUCTION (NOMINAL VALUES)

				DW121	DW122
Optical Fibre	for colour see table below			check the Fibre Sheet	
Central strength element	glass rod				
Loose tubes	n° 4 jelly filled tubes*	diameter	mm	2,5	2,5
Wrapping				yes	yes
Dielectric armouring	glass yarns			yes	yes
Outer Sheath	Afumex®	diameter	mm	12,0	/
	Polyethylene	diameter	mm	/	12,0
Weight				kg/km	120
					100

\* for colour see table below

## BUILD UP YOUR ORDERING CODE

fibre type	g	f
SMR 9/125	9	9
MM 50/125	5	50
MM 50/125 Hi Band	5H	Hi Band 50
MM 50/125 OM3	OM3	OM3 50
MM 62,5/125	6	62,5
FineLight™	F	FineLight™ 9

## ORDERING CODE

cable	code	std colour	std lenght	marking
Indoor Outdoor	DW121 - g - n	Grey 7035	2000 m	PRYSMIAN DeskWave DW121 g - n ww/yyyy MULTI TUBE INDOOR-OUTDOOR LSOH n f /125 metric M
Outdoor	DW122 - g - n	Black	2000 m	PRYSMIAN DeskWave DW122 g - n ww/yyyy MULTI TUBE OUTDOOR n f /125 metric M

ww: production week

yyyy: production year

n: number of fibres

## FIBER COLOUR CODE

1 red	4 brown	7 black	10 turquoise
2 green	5 blue	8 pink	11 white
3 yellow	6 violet	9 orange	12 grey

## TUBE COLOUR CODE

1 blue	3 red
2 yellow	4 white

## 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 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 planning, manufacture and installation through to technical support of commissioned cable networks. Planning and surveying 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