



CENTRAL LOOSE TUBE

## Armoured Single Sheath

According to

**DW091**  
**DW171**

> IEC 11801 2<sup>nd</sup> Ed.

> EN 50173 2<sup>nd</sup> Ed.



## Armoured Single Sheath

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

Enhancing the mechanical performances of the unarmoured central loose tube family, these Corrugated Steel Tape **ARMOURED** cables are aimed at **Indoor/Outdoor** (DW091) or typically **Outdoor** (DW171) applications, when total **Rodent Resistance** is required. The corrugated Steel Tape works as a very good barrier against water.

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  
DW171

Fire retardant



IEC 60332-3  
EN 50266  
except  
DW171

HCL



IEC 60754-2  
EN 50267

Smokes



IEC 61034  
EN 50268  
except  
DW171

Crush



≤ 2500 N/dm

Bending



op: ≥ 150 mm  
inst: ≥ 200 mm

Temperature



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

Tensile



op: ≤ 750 N  
inst: ≤ 1500N

All dielectric



Outdoor



only DW091

Indoor/Outdoor



only DW171

Rodent



DW091-DW171



## CONSTRUCTION (NOMINAL VALUES)

### DW091

### DW171

Optical Fibre	for colour see table below		check the Fibre Sheet	
Central loose tube	diameter	up to 12 fo	mm	2,5
jelly filled	diameter	up to 24 fo	mm	3,0
Dielectric armouring		up to 12 fo		4,0
		up to 24 fo		Glass
Wrapping	water block			Glass
				Aramid
Metallic armouring	corrugated steel tape			Aramid
				yes
Outer Sheath	Afumex®			yes
	Polyethylene			/
				yes

#### Outer diameter & weight

	DW091		DW171	
	up to 12 fo	up to 24 fo	up to 12 fo	up to 24 fo
mm	10,5	10,5	10	10
kg/km	130	130	100	100

## 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	DW091 - g - n	Green RAL 6018	2000 m	PRYSMIAN DeskWave DW091 g - n ww/yyyy INDOOR-OUTDOOR ARMoured UNITUBE n f /125 LSOH metric M
Outdoor	DW171 - g - n	Black	2000 m	PRYSMIAN DeskWave DW171 g - n ww/yyyy OUTDOOR ARMoured UNITUBE n f /125 metric M

ww: production week

yyyy: production year

n: number of fibres

## FIBER COLOUR CODE

1 red	7 black	13 orange + 1 ring	19 orange + 2 rings
2 green	8 pink	14 yellow + 1 ring	20 yellow + 2 rings
3 yellow	9 orange	15 red + 1 ring	21 red + 2 rings
4 brown	10 turquoise	16 white + 1 ring	22 white + 2 rings
5 blue	11 white	17 pink + 1 ring	23 pink + 2 rings
6 violet	12 grey	18 turquoise + 1 ring	24 turquoise + 2 rings

## 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