OPTICAL

fibrewave

Unarmoured

DW070
DW104
DW105
DW106

According to

> **IEC 11801 2nd Ed.**

> **EN 50173 2nd Ed.**

Prysmian FibreWave

FibreWave

ARCHITECTS OF LIGHT

www.prysmian.com

PRYSMIAN
CABLES & SYSTEMS

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

Being the most popular **Indoor/Outdoor BackBone** cable for the LAN environment, PRYSMIAN offers a range of products to cover all applications, starting from the lighter Aramid Yarns protected (DW070) to the Glass Yarns Rodent Resistant versions (DW104-105-106) and, for typical Outdoor use, also with Polyethylene outer sheath (DW106). In the family of **Rodent Resistant**, beside the classic DW105 & DW106, the lighter and smaller DW104 can be used when the risk of rodent attack is reasonably limited.

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 2nd Ed. – EN 50173 2nd Ed.**

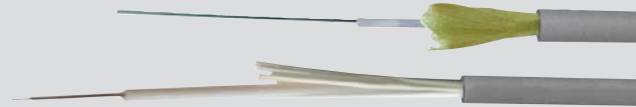**Afumex®**, the special LSOH Prysmian compound, is attractive where the generation of smoke or toxic emissions is potentially hazardous to people or equipment.

Flame retardant	Fire retardant	HCL	Smokes
IEC 60332-1 EN 50265 *except DW106*	IEC 60332-3 EN 50266 *except DW106*	IEC 60754-2 EN 50267	IEC 61034 EN 50268 *except DW106*

Crush	Bending	Temperature	Tensile
DW070-104 ≤ 1000 N/dm DW105-106 ≤ 1500 N/dm	op: ≥ 10 x o.d. inst: ≥ 15 x o.d.	op: –20 °C/+70 °C inst: –5 °C/+50 °C sto: –45 °C/+70 °C	DW070-104 op: ≤ 300 N inst: ≤ 600N DW106-105 op: ≤ 500 N inst: ≤ 1000N

Outdoor	Indoor/Outdoor	Rodent	Rodent
only DW106	except DW106	only DW104	only DW105-106

DW070   DW104–DW105–DW106

PRYSMIAN
CABLES & SYSTEMS

CONSTRUCTION (NOMINAL VALUES)

				DW070	DW104	DW105	DW106
Optical Fibre	for colour see table below			*check the Fibre Sheet*			
Central loose tube	diameter	up to 12 fo	mm	2,5	2,5	2,5	3
jelly filled	diameter	up to 24 fo	mm	4,0	4,0	4,0	4,0
Dielectric armouring				Aramid	Glass	Glass	Glass
Outer Sheath	Afumex®			yes	yes	yes	/
	Polyethylene			/	/	/	yes

Outer diameter & weight

	DW070		DW104		DW105		DW106	
	up to 12 fo	up to 24 fo	up to 12 fo	up to 24 fo	up to 12 fo	up to 24 fo	up to 12 fo	up to 24 fo
mm	5,9	6,8	6,5	7,6	6,5	8,5	7,8	8,5
kg/km	35	48	42	58	48	70	45	55

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
UNITUBE – Aramid	DW070 – g – n	Grey RAL 7035	2000 m	PRYSMIAN DeskWave DW070 g – n ww/yyyy UNITUBE INDOOR–OUTDOOR n f /125 LSOH metric M
UNITUBE – Glass Light	DW104 – g – n	Grey RAL 7035	2000 m	PRYSMIAN DeskWave DW104 g – n ww/yyyy UNITUBE INDOOR–OUTDOOR n f /125 LSOH metric M
UNITUBE – Glass	DW105 – g – n	Grey RAL 7035	2000 m	PRYSMIAN DeskWave DW105 g – n ww/yyyy UNITUBE INDOOR–OUTDOOR n f /125 LSOH metric M
UNITUBE – Glass PE	DW106 – g – n	Black	2000 m	PRYSMIAN DeskWave DW106 g – n ww/yyyy UNITUBE OUTDOOR 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

PRYSMIAN
CABLES & SYSTEMS

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.

dega design group

PRYSMIAN
CABLES & SYSTEMS