

# OPTICAL



TIGHT BUFFERED

## Multitight

DW050  
DW051  
DW052

According to

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

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



1<sup>st</sup> ISSUE 2006

ARCHITECTS OF LIGHT

# OPTICAL

TIGHT BUFFERED

## Multitight

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



This **UNIVERSAL** configuration is designed for **CED & low fibrecount BackBone** applications. Suitable for multi-patchcords and inside cabinet connection, its Aramidic Yarn dry protection allows easy & safe handling. The small dimensions of this MultiTIGHT assists Backbone installations in old buildings.

Beside the classic Silicon + Nylon Tight Buffering design, the patented Tetracoat® version allows a faster and cleaner connection inside the ceramic ferrule. A SPL armoured version has been studied for Outdoor Campus applications

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®**, 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  
DW051

Fire retardant



IEC 60332-3  
EN 50266  
except  
DW051

HCL



IEC 60754-2  
EN 50267

Smokes



IEC 61034  
EN 50268  
except  
DW051

Crush



DW050  
≤ 1500 N/dm  
DW051-052  
≤ 2000 N/dm

Bending



op: ≥ 10 x o.d.  
inst: ≥ 15 x o.d.

Temperature



op: -20 °C/+70 °C  
inst: -5 °C/+50 °C  
sto: -45 °C/+70 °C

Tensile



see table on  
the back

All dielectric



DW050

Indoor/Outdoor



DW050-052

Outdoor



DW051

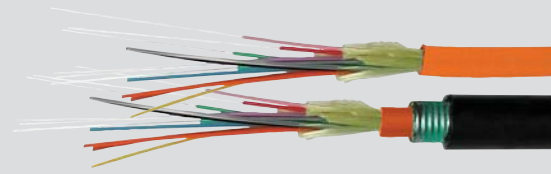
Rodent



DW051-052

DW050

DW051-DW052



## CONSTRUCTION (NOMINAL VALUES)

		DW050		DW051		DW052						
<b>Optical Fibre</b>		<b>check the Fibre Sheet</b>										
<b>Tight buffer Tetracoat®</b>		900 µ		900 µ		900 µ						
<b>Tight buffer Silicon + Nylon</b>		900 µ		900 µ		900 µ						
<b>Reinforcement</b>		Aramid Yarns										
<b>Inner sheath</b>	Afumex®	/		yes		yes						
<b>Metallic armouring</b>	corrugated steel tape	/		yes		yes						
<b>Outer sheath</b>	Afumex®	yes		/		yes						
	Polyethylene	/		yes		/						
<b>Outer diameter &amp; weight</b>												
	4 fo		6 fo		8 fo		12 fo		16 fo		24 fo	
	mm	kg/km	mm	kg/km	mm	kg/km	mm	kg/km	mm	kg/km	mm	kg/km
DW050	4,8	22	5,5	29	5,9	34	6,7	42	8,6	77	10	110
DW051	9,8	110	10,5	125	10,9	135	11,7	152	13,6	210	15	260
DW052	9,8	135	10,5	153	10,9	164	11,7	182	13,6	247	15	300

## BUILD UP YOUR ORDERING CODE

fibres 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
TETRACOAT®	DW050 - g - n	Orange RAL2004	2000 m	PRYSMIAN DeskWave DW050 g - n ww/yyyy MULTITIGHT n f /125 LSOH metric M
NYLON+SILICON	DW050S - g - n	Orange RAL2004	2000 m	PRYSMIAN DeskWave DW050S g - n ww/yyyy MULTITIGHT n f /125 LSOH metric M
DOUBLE SHEATH LSOH+PE (TETRACOAT®)	DW051 - g - n	Black	2000 m	PRYSMIAN DeskWave DW051 g - n ww/yyyy OUTDOOR ARMoured MULTITIGHT n f /125 metric M
DOUBLE SHEATH LSOH+PE (NYLON + SILICON)	DW051S - g - n	Black	2000 m	PRYSMIAN DeskWave DW051S g - n ww/yyyy OUTDOOR ARMoured MULTITIGHT n f /125 metric M
DOUBLE SHEATH LSOH+LSOH (TETRACOAT®)	DW052 - g - n	Black	2000 m	PRYSMIAN DeskWave DW052 g - n ww/yyyy INDOOR-OUTDOOR ARMoured MULTITIGHT n f /125 LSOH metric M
DOUBLE SHEATH LSOH+LSOH (NYLON + SILICON)	DW052S - g - n	Black	2000 m	PRYSMIAN DeskWave DW052S g - n ww/yyyy INDOOR-OUTDOOR ARMoured MULTITIGHT n f /125 LSOH metric M

ww: production week      yyyy: production year      n: number of fibres

## TRACTION

### maximum allowed Tensile Strength (N)

	4 fo		6 fo		8 fo		12 fo		16 fo		24 fo	
	op	inst	op	inst	op	inst	op	inst	op	inst	op	inst
DW050	500	1000	600	1200	600	1200	750	1500	1000	1750	1000	1750
DW051	550	1100	660	1320	660	1320	830	1650	1100	1950	1100	1950
DW052	550	1100	660	1320	660	1320	830	1650	1100	1950	1100	1950

## 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