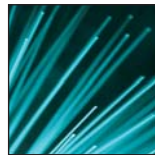


OPTICAL



TIGHT BUFFERED

Multitight

DW050
DW051
DW052

According to

> IEC 11801 2nd Ed.

> EN 50173 2nd Ed.



1st 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 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



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

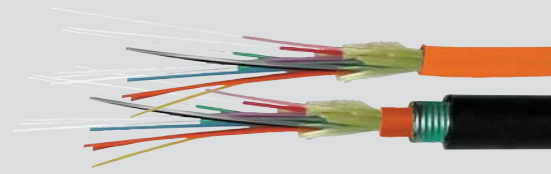
Rodent



DW051-052

DW050

DW051-DW052



CONSTRUCTION (NOMINAL VALUES)

		DW050		DW051		DW052						
Optical Fibre		check the Fibre Sheet										
Tight buffer Tetracoat®		900 µ		900 µ		900 µ						
Tight buffer Silicon + Nylon		900 µ		900 µ		900 µ						
Reinforcement		Aramid Yarns										
Inner sheath	Afumex®	/		yes		yes						
Metallic armouring	corrugated steel tape	/		yes		yes						
Outer sheath	Afumex®	yes		/		yes						
	Polyethylene	/		yes		/						
Outer diameter & weight												
	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

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
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