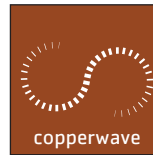
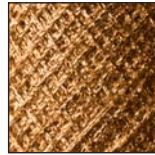


# COPPER



> 600 MHz cat. 7+ 8

## SSTP 7+ 8



**DX106\*\*-\* (1000 MHz 7+)**  
**DX126\*\*-\* (1200 MHz 8)**

- > IEC 61156
- > EN 50288-4
- > IEC 11801 2<sup>nd</sup> Ed.
- > EN 50173 2<sup>nd</sup> Ed.

1<sup>st</sup> ISSUE 2006

ARCHITECTS OF LIGHT

# COPPER

> 600 MHz cat. 7+ 8

## SSTP 7+ 8

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



These Individually Screened Twisted Pair cables are born to meet the last Multimedia and HOME integrated applications needs. Designed to exceed the CAT.7 requirements of the most common Cable Standards - IEC 61156 - EN 50288-4 - as well as the CLASS F described by the Structured Cabling International Standards - IEC 11801 2<sup>nd</sup> Ed.- EN 50173 2<sup>nd</sup> Ed. - they are suitable for transmission of digital and analogue voice, data and video signals.

This design supports ISDN, Ethernet 10 Base-T, Fast Ethernet 100 Base-T, Gigabit Ethernet 1000 Base-T, Token Ring 4/16 Mbit/s, TP-PMD/TP-DDI 125 Mbit/s, ATM 155 Mbit/s.

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

Fire  
retardant



IEC 60332-3  
EN 50266

HCL



IEC 60754-2  
EN 50267  
Afumex<sup>®</sup> only

Smokes



IEC 61034  
EN 50268  
Afumex<sup>®</sup> only

EMC



Bending



op:  $\geq 30$  mm  
inst:  $\geq 60$  mm

Temperature



op:  $-20$  °C/ $+70$  °C  
inst:  $0$  °C/ $+50$  °C  
sto:  $-40$  °C/ $+70$  °C

Tensile



$\leq 110$  N

DX106 - DX 126



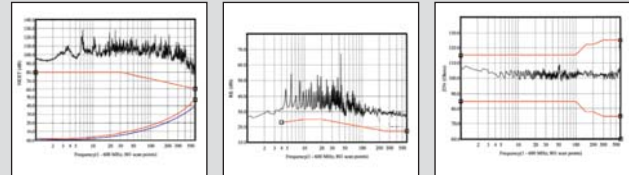
## CONSTRUCTION (NOMINAL VALUES)

					cat. 7+	cat. 8
<b>Conductor</b>	annealed copper wire		AWG		23	22
<b>Insulation</b>	foam skin polyethylene	diameter	mm		1,42	1,5
<b>Individual screen</b>	longitud AL/PET tape					
<b>Braid screen</b>	tinned copper braid					
	drain wire	diameter	mm		0,5	0,5
<b>Outer sheath</b>	PVC or Afumex®	single	diameter	mm	7,8	8,7
		siamese	outer dim	mm	7,8x15,7	8,7x17,5
<b>Weight</b>	single		kg/km		79	84
	siamese		kg/km		159	169

## ELECTRICAL CHARACTERISTICS AT 20 °C (TYPICAL VALUES)

<b>Operating Voltage</b>	≤	125 Vdc
<b>DC Loop Resistance</b>	≤	140 Ω/km
<b>Capacitance Unbalance</b>	≤	1000 pF/km
<b>Input Impedance 1-300 MHz</b>		100±10 Ω
<b>Input Impedance 300-1200 MHz</b>		100±20 Ω
<b>NVP @ 100 MHz</b>		0,73 c nominal
<b>Skew @ 100 MHz</b>	≤	20 ns/100 m
<b>LCL</b>	≥	40 dB
<b>RL headroom</b>	>	7 dB
<b>NEXT headroom</b>	>	20 dB
<b>PS-NEXT headroom</b>	>	20 dB
<b>ACR @ 600 MHz</b>	>	27 dB
<b>PS-ELFEXT headroom</b>	>	10 dB

## GRAPH



7+ - 1000 MHz  
8 - 1200 MHz

## ORDERING CODE

cable	code	sheath	std colour	length	packaging	marking
SSTP 7+4P	DX10605-5	Afumex® LSZH	Orange RAL 2004	m 500	drum	PRYSMIAN DX10605 - SSTP 4x2x23AWG LSZH - CAT. 7+ 1000 MHz
SSTP 7+4P	DX10605-1	Afumex® LSZH	Orange RAL 2004	m 1000	drum	ISO/IEC 11801 - EN 50173 YWWY metric m
SSTP 7+4P	DX10600-5	PVC	Grey RAL 7001	m 500	drum	PRYSMIAN DX10600 - SSTP 4x2x23AWG - CAT. 7+ 1000 MHz
SSTP 7+4P	DX10600-1	PVC	Grey RAL 7001	m 1000	drum	ISO/IEC 11801 - EN 50173 YWWY metric m
SSTP 7+2x4P	DX10625-5	Afumex® LSZH	Orange RAL 2004	m 500	drum	PRYSMIAN DX10625 - SSTP 2x(4x2x23AWG) LSZH - CAT. 7+ 1000 MHz
SSTP 7+2x4P	DX10625-1	Afumex® LSZH	Orange RAL 2004	m 1000	drum	ISO/IEC 11801 - EN 50173 YWWY metric m
SSTP 7+2x4P	DX10620-5	PVC	Grey RAL 7001	m 500	drum	PRYSMIAN DX10620 - SSTP 2x(4x2x23AWG) - CAT. 7+ 1000 MHz
SSTP 7+2x4P	DX10620-1	PVC	Grey RAL 7001	m 1000	drum	ISO/IEC 11801 - EN 50173 YWWY metric m
SSTP 8 4P	DX12605-5	Afumex® LSZH	Red RAL 3000	m 500	drum	PRYSMIAN DX12605 - SSTP 4x2x22AWG LSZH - CAT. 8 1200 MHz
SSTP 8 4P	DX12605-1	Afumex® LSZH	Red RAL 3000	m 1000	drum	ISO/IEC 11801 - EN 50173 YWWY metric m
SSTP 8 4P	DX12600-5	PVC	Grey RAL 7001	m 500	drum	PRYSMIAN DX12600 - SSTP 4x2x22AWG - CAT. 8 1200 MHz
SSTP 8 4P	DX12600-1	PVC	Grey RAL 7001	m 1000	drum	ISO/IEC 11801 - EN 50173 YWWY metric m
SSTP 8 2x4P	DX12625-5	Afumex® LSZH	Red RAL 3000	m 500	drum	PRYSMIAN DX12625 - SSTP 2x(4x2x22AWG) LSZH - CAT. 8 1200 MHz
SSTP 8 2x4P	DX12625-1	Afumex® LSZH	Red RAL 3000	m 1000	drum	ISO/IEC 11801 - EN 50173 YWWY metric m
SSTP 8 2x4P	DX12620-5	PVC	Grey RAL 7001	m 500	drum	PRYSMIAN DX12620 - SSTP 2x(4x2x22AWG) - CAT. 8 1200 MHz
SSTP 8 2x4P	DX12620-1	PVC	Grey RAL 7001	m 1000	drum	ISO/IEC 11801 - EN 50173 YWWY metric m

## 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