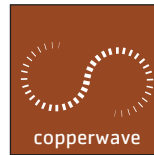


COPPER



250 MHz cat. 6

FTP 6 - SFTP 6 SSTP 6



According to

DX32-* (FTP)**
DX33-* (SFTP)**
DX34-* (FTP Pimf)**
DX36-* (SSTP)**

- > IEC 61156
- > EN 50288-5
- > IEC 11801 2nd Ed.
- > EN 50173 2nd Ed.
- > EIA/TIA 568 B.2.1

1st ISSUE 2006

ARCHITECTS OF LIGHT

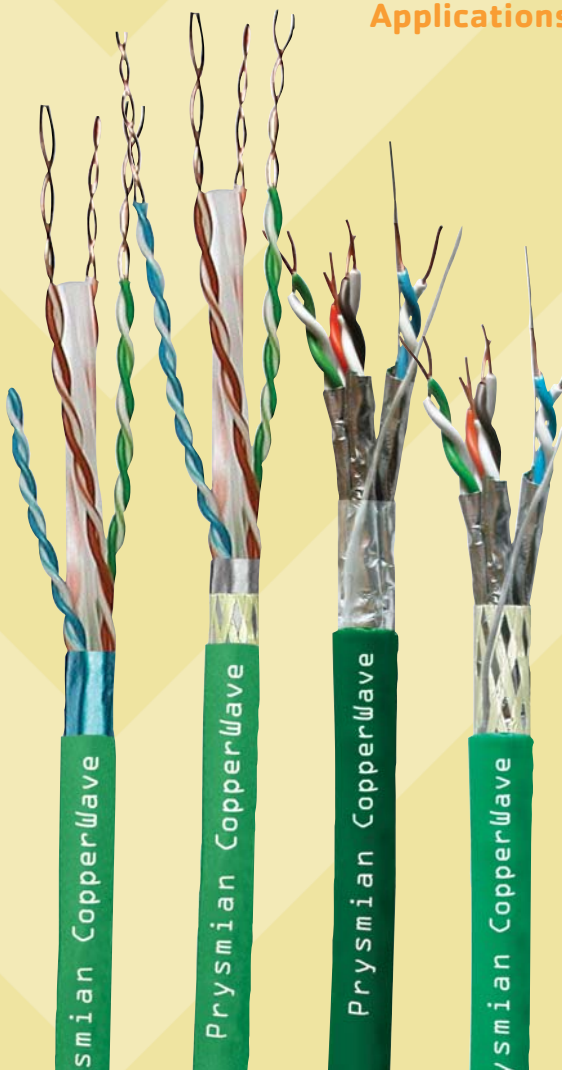
COPPER

250 MHz cat. 6

FTP 6 - SFTP 6 SSTP 6

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



DX32

DX33

DX34

DX36

These Screened configurations are designed to fulfill and exceed the CAT.6 requirements of the most common Cable Standards - IEC 61156 - EN 50288-5 - as well as the CLASS E described by the Structured Cabling International Standards - IEC 11801 2nd Ed.- EN 50173 2nd Ed. - EIA/TIA 568.B.2.1.

Suitable for transmission of digital and analogue voice, data and video signals even in hard EMC environment, 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®, 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® only

Smokes



IEC 61034
EN 50268
Afumex® only

EMC



Bending



op: ≥ 30 mm
inst: ≥ 65 mm

Temperature

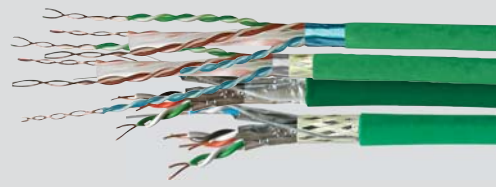


op: -20 °C/+70 °C
inst: 0 °C/+50 °C
sto: -40 °C/+70 °C

Tensile



≤ 110N



CONSTRUCTION (NOMINAL VALUES)

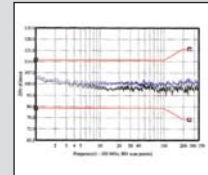
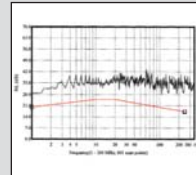
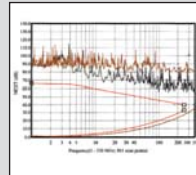
				FTP Cross	FTP Pimf	SFTP	SSTP	
Conductor	annealed copper wire			AWG	24	23	24	23
Insulation	solid polyethylene	diameter	mm	1,04	/	1,04	/	
	foam skin polyethylene	diameter	mm	/	1,42	/	1,42	
Cross filler	solid polyethylene			yes	/	yes	/	
Individual screen	longitud AL/PET tape			/	yes	/	yes	
Overall screen	longitud AL/PET tape			yes	/	yes	/	
Braid screen	tinned copper braid			/	/	yes	yes	
	drain wire			mm	0,5	0,5	0,5	0,5
Outer sheath	PVC or Afumex®	single	diameter	mm	6,4	7,3	6,7	7,8
		siamese	outer dim	mm	6,4x12,9	7,3x14,7	6,7x13,5	7,8x15,7
Weight	single			kg/km	45	65	53	72
		siamese			kg/km	91	131	107

ELECTRICAL CHARACTERISTICS AT 20 °C (TYPICAL VALUES)

GRAPH

FTP Cross SFTP FTP Pimf SSTP

Operating Voltage	≤ 125 Vdc	125 Vdc
DC Loop Resistance	≤ 170 Ω/km	140 Ω/km
Capacitance Unbalance	≤ 1600 pF/km	1000 pF/km
Input Impedance	100±15 Ω	100±15
NVP @ 100 MHz	0,68 c nominal	0,73 c nominal
Skew @ 100 MHz	≤ 15 ns/100m	20 ns/100m
LCL	≥ 40 dB	40 dB
RL headroom	> 7 dB	7 dB
NEXT headroom	> 9 dB	25 dB
PS-NEXT headroom	> 8 dB	8 dB
ACR @ 250 MHz	> 18 dB	40 dB
PS-ELFEXT headroom	> 6 dB	35 dB



FTP Cross - SFTP
FTP Pimf - SSTP

ORDERING CODE

cable	code	sheath	std colour	lenght	packaging	marking
FTP Cross 4P	DX3205-5	Afumex® LSZH	Green RAL 6018	m 500	drum	PRYSMIAN DX3205 - FTP 4x2x24AWG LSZH - CAT. 6 350 MHz ISO/IEC
FTP Cross 4P	DX3205-1	Afumex® LSZH	Green RAL 6018	m 1000	drum	11801 - EN 50173 - EIA/TIA 568.B.2.1 - SGS CERTIFIED YWWY metric m
FTP Cross 4P	DX3200-5	PVC	Grey RAL 7001	m 500	drum	PRYSMIAN DX3200 - FTP 4x2x24AWG - CAT. 6 350 MHz ISO/IEC 11801
FTP Cross 4P	DX3200-1	PVC	Grey RAL 7001	m 1000	drum	- EN 50173 - EIA/TIA 568.B.2.1 - SGS CERTIFIED YWWY metric m
FTP Cross 2x4P	DX3225-5	Afumex® LSZH	Green RAL 6018	m 500	drum	PRYSMIAN DX3225 - FTP 2x(4x2x24AWG) LSZH - CAT. 6 350 MHz ISO/IEC
FTP Cross 2x4P	DX3225-1	Afumex® LSZH	Green RAL 6018	m 1000	drum	11801 - EN 50173 - EIA/TIA 568.B.2.1 - SGS CERTIFIED YWWY metric m
FTP Cross 2x4P	DX3220-5	PVC	Grey RAL 7001	m 500	drum	PRYSMIAN DX3220 - FTP 2x(4x2x24AWG) - CAT. 6 350 MHz ISO/IEC
FTP Cross 2x4P	DX3220-1	PVC	Grey RAL 7001	m 1000	drum	11801 - EN 50173 - EIA/TIA 568.B.2.1 - SGS CERTIFIED YWWY metric m
FTP Pimf 4P	DX3405-5	Afumex® LSZH	Green RAL 6018	m 500	drum	PRYSMIAN DX3405 - FTP 4x2x23AWG Pimf LSZH - CAT. 6 350 MHz
FTP Pimf 4P	DX3405-1	Afumex® LSZH	Green RAL 6018	m 1000	drum	ISO/IEC 11801 - EN 50173 - EIA/TIA 568.B.2.1 YWWY metric m
FTP Pimf 4P	DX3400-5	PVC	Grey RAL 7001	m 500	drum	PRYSMIAN DX3400 - FTP 4x2x23AWG Pimf - CAT. 6 350 MHz ISO/IEC
FTP Pimf 4P	DX3400-1	PVC	Grey RAL 7001	m 1000	drum	11801 - EN 50173 - EIA/TIA 568.B.2.1 YWWY metric m
FTP Pimf 2x4P	DX3425-5	Afumex® LSZH	Green RAL 6018	m 500	drum	PRYSMIAN DX3425 - FTP 2x(4x2x23AWG) Pimf LSZH - CAT. 6 350 MHz
FTP Pimf 2x4P	DX3425-1	Afumex® LSZH	Green RAL 6018	m 1000	drum	ISO/IEC 11801 - EN 50173 - EIA/TIA 568.B.2.1 YWWY metric m
FTP Pimf 2x4P	DX3420-5	PVC	Grey RAL 7001	m 500	drum	PRYSMIAN DX3420 - FTP 2x(4x2x23AWG) Pimf - CAT. 6 350 MHz
FTP Pimf 2x4P	DX3420-1	PVC	Grey RAL 7001	m 1000	drum	ISO/IEC 11801 - EN 50173 - EIA/TIA 568.B.2.1 YWWY metric m
S-FTP 4P	DX3305-5	Afumex® LSZH	Green RAL 6018	m 500	drum	PRYSMIAN DX3305 - SFTP 4x2x24AWG LSZH - CAT. 6 350 MHz ISO/IEC
S-FTP 4P	DX3305-1	Afumex® LSZH	Green RAL 6018	m 1000	drum	11801 - EN 50173 - EIA/TIA 568.B.2.1 - SGS CERTIFIED YWWY metric m
S-FTP 4P	DX3300-5	PVC	Grey RAL 7001	m 500	drum	PRYSMIAN DX3300 - SFTP 4x2x24AWG - CAT. 6 350 MHz ISO/IEC
S-FTP 4P	DX3300-1	PVC	Grey RAL 7001	m 1000	drum	11801 - EN 50173 - EIA/TIA 568.B.2.1 - SGS CERTIFIED YWWY metric m
S-FTP 2x4P	DX3325-5	Afumex® LSZH	Green RAL 6018	m 500	drum	PRYSMIAN DX3325 - SFTP 2x(4x2x24AWG) LSZH - CAT. 6 350 MHz ISO/IEC
S-FTP 2x4P	DX3325-1	Afumex® LSZH	Green RAL 6018	m 1000	drum	11801 - EN 50173 - EIA/TIA 568.B.2.1 - SGS CERTIFIED YWWY metric m
S-FTP 2x4P	DX3320-5	PVC	Grey RAL 7001	m 500	drum	PRYSMIAN DX3320 - SFTP 2x(4x2x24AWG) - CAT. 6 350 MHz ISO/IEC
S-FTP 2x4P	DX3320-1	PVC	Grey RAL 7001	m 1000	drum	11801 - EN 50173 - EIA/TIA 568.B.2.1 - SGS CERTIFIED YWWY metric m
S-SSTP 4P	DX3605-5	Afumex® LSZH	Green RAL 6018	m 500	drum	PRYSMIAN DX3605 - SSTP 4x2x23AWG LSZH - CAT. 6 350 MHz ISO/IEC
S-SSTP 4P	DX3605-1	Afumex® LSZH	Green RAL 6018	m 1000	drum	11801 - EN 50173 - EIA/TIA 568.B.2.1 YWWY metric m
S-SSTP 4P	DX3600-5	PVC	Grey RAL 7001	m 500	drum	PRYSMIAN DX3600 - SSTP 4x2x23AWG - CAT. 6 350 MHz ISO/IEC
S-SSTP 4P	DX3600-1	PVC	Grey RAL 7001	m 1000	drum	11801 - EN 50173 - EIA/TIA 568.B.2.1 YWWY metric m
S-SSTP 2x4P	DX3625-5	Afumex® LSZH	Green RAL 6018	m 500	drum	PRYSMIAN DX3625 - SSTP 2x(4x2x23AWG) LSZH - CAT.6e 350 MHz
S-SSTP 2x4P	DX3625-1	Afumex® LSZH	Green RAL 6018	m 1000	drum	ISO/IEC 11801 - EN 50173 - EIA/TIA 568.B.2.1 YWWY metric m
S-SSTP 2x4P	DX3620-5	PVC	Grey RAL 7001	m 500	drum	PRYSMIAN DX3620 - SSTP 2x(4x2x23AWG) - CAT. 6 350 MHz ISO/IEC
S-SSTP 2x4P	DX3620-1	PVC	Grey RAL 7001	m 1000	drum	11801 - EN 50173 - EIA/TIA 568.B.2.1 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