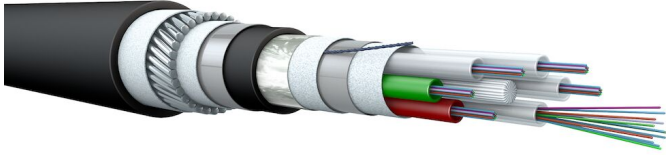


Firetuf™ Fire Resistant Steel Wire Armoured LT Cable

6000N, LT up to 144 fibres, steel wire armoured, LSHF-FR



GENERAL INFO

This fibre optic cable features a stranded gel-filled loose tube design with up to 144 fibres, with 12-fibre per unit, providing robust protection and high performance. It is UV-resistant and equipped with steel wire armouring, ensuring durability and longevity. The cable is longitudinally water blocked and rodent-proof, with a tensile strength of 6.0kN. The jacket is made of halogen-free, flame-retardant material, making it suitable for both outdoor and indoor use. It is ideal for use in public buildings with high personal risk and can also be used for Fire & Safety applications. Use outdoors for duct installation and as a fire-resistant and flame-retardant cable indoors. Designed for a wide range of applications, this cable is ideal for LAN, MAN and WAN backbones. Its versatility and reliability make it perfect for mixed indoor and outdoor installations. DIN/VDE: A/I-DQ(L)HWH

Latest version of this data sheet is available for download: [ProductFamily377217](#)

CERTIFICATIONS AND DESIGN STANDARDS

RoHS



ISO/IEC 11801
EN 50173
IEC 60794-1-1
IEC 60794-1-21
IEC 60794-1-22

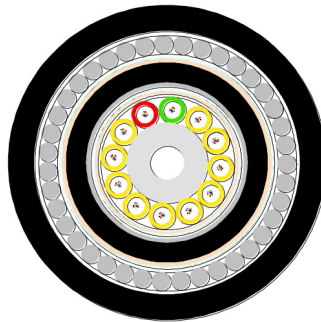
Generic telecom cabling for customer premises
 Information technology - Generic cabling systems
 Generic Specification Fibre Optic Cables
 Mechanical Test Methods
 Environmental Test Procedures

APPLICATION PROPERTIES

Resistant to UV	UV stabilised
Outdoor installation With rodent protection	Yes
Operation temperature (min) [°C]	-40 and (max) [°C] 70
Installation temperature (min) [°C]	0 and (max) [°C] 50
Storage temperature (min) [°C]	-40 and (max) [°C] 70
Bending radius (rule)	During installation (loaded) = 20xOD, Permanent (unloaded) = 15xOD

CABLE CONSTRUCTION

Type of tube	Stranded loose tube with Ø2.3 mm gel-filled loose tubes with up to 12 fibres each
Longitudinal water blocking cable	Yes
Rip cord	Yes
Material inner sheath	Low smoke zero halogen
Armouring/reinforcement	Steel, galvanised, Wire
Rip cord	Yes
Material outer sheath	2mm, Low smoke zero halogen
Cable shape	Round
Cable marking example	PRYSMIAN FIRETUF OFC-LT-SWA 'Fibre count' 'Fibre type' 'material code' 'factory code' 'production order no' 'Meter mark'



IDENTIFICATION

Fibre colour code	1 Red	7 Brown
<i>in accordance with IEC 60794-2 and VDE 0888 read more</i>	2 Green	8 Violet
	3 Blue	9 Turquoise
	4 Yellow	10 Black
	5 White	11 Orange
	6 Grey	12 Pink
Tube colour code	With SM fibres: 1 Green - x Yellow - 1 Red	
	With MM fibres: 1 Green - x White - 1 Red	
Colour inner/outer sheath	Black, RAL 9005	

MECHANICAL PROPERTIES

Crush	IEC 60794-1-21 E3	3,000 N/10cm
Max. tensile strength during installation	IEC 60794-1-21 E1	6,000 N
Permanent tensile strength	IEC 60794-1-21 E1	1,000 N
Impact test	IEC 60794-1-21 E4	20 N·m
Torsion test	IEC 60794-1-21 E7	3cycles±1turn 2m
Kink	IEC 60794-1-21 E10	The cables do not form a kink when a loop is drawn together to a minimum loop radius of 40 times the cable nominal diameter.

FIRE PROPERTIES

Circuit integrity according to IEC 60331-25	90 min
Flame retardant according to IEC 60332-1-2	Yes
Flame retardant according to IEC 60332-3-24 (Cat C)	Yes
Halogen free according to EN IEC 60754-1	Yes
Halogen free according to EN IEC 60754-2	Yes
Low smoke according to EN IEC 61034-2	Yes
Insulation integrity	PH 90
Insulation integrity (acc. IEC 60331)	Yes

CABLE DETAILS

Number of fibres	Number of fibres per tube	Nominal outer diameter [mm]	Min. bending radius, fixed [mm]	Min. permitted bending radius, during cable laying [mm]	Cable weight [kg/km]
24	12	23.4	468	585	908
144	12	27.9	558	698	1,249

ORDERING DETAILS

Product name	Number of fibres	Number of fibres per tube	Category (fibre)	Fibre datasheet	SAP code
UCFIBRE I/O Firetuf OFC-LT-SWA 2x12 OS2	24	12	OS2	C06	OFC_LT_SWA24SM7A1
UCFIBRE I/O Firetuf OFC-LT-SWA 12x12 OS2	144	12	OS2	C06	OFC_LT_SWA-144SMA1

Delivery note: wooden drum protected and standard delivery length: 2km ±5%.

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