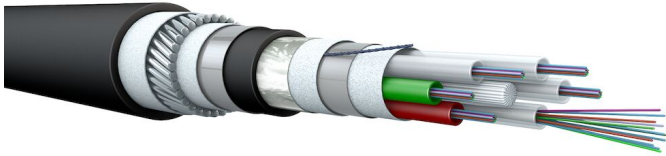


Firetuf™ Fire Resistant Steel wire armoured LT Cable

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



GENERAL INFO

6000N, Ind/Out, gel-filled, stranded water-blocked loose tube cable, up to 144 fibres with 12 fibre per unit and LSHF-FR sheath. DIN/VDE A/I-DQ(L)HWH

CABLE FEATURES

- FO cable with multi loose tube filled with gel for structured cabling.
- The cable is UV-resistant with galvanized steel wires and aluminum tape under the inner sheath, longitudinally water blocked and rodent-protected with a tensile strength of 6kN.
- The jacket is made of halogen-free, flame-retardant material according to IEC60332-1-2; IEC60332-3-24; IEC60754-1; IEC60754-2; IEC61034-2 for use in public buildings with high personal risk and it can also be use for Fire&Safety applications.
- Fire resistant cable according to IEC 60331-25 (duration of 90 minutes) and based on end of the IEC 60331-1 PH90.
- Use outdoors for duct installation and as a fire resistant and flame retardant cable indoors.
- The fiber optic cable exceeds the requirements of EN50173-1, ISO/IEC11801 and EN/IEC60794-6.

More information on fiber optic cable applications: [read more](#)

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

IEC 60754-2

IEC 60332-1-2

IEC 60332-3-24

IEC 61034-2

IEC 60331-1

IEC 60331-25

Generic telecom cabling for customer premises
Information technology - Generic cabling systems
Generic Specification Fibre Optic Cables
Mechanical Test Methods
Environmental Test Procedures
Weighted Values of pH and Conductivity
Single wire fire test
Bundled fire test
Smoke Density
Fire resistance at 830°C during 90min (for D>20mm)
Fire resistance at 750°C during 90min

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

*Temperature range recommended for cable installation, operation and storage tested according to the IEC 60794-1-22 Fl.

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
Rip cord	Yes
Armouring/reinforcement	Steel, galvanised, None
Material outer sheath	mm, Low smoke zero halogen
Cable shape	Round
Cable marking example	DRAKA FIRETUF OFC-LT-SWA 'Fibre count' 'Fibre type' 'material code' 'factory code' 'production order no' 'Meter mark'

IDENTIFICATION

Fibre colour code	1 Red	13 Yellow w/mark every 100mm
<i>in accordance with IEC 60794-2 and VDE 0888 read more</i>	2 Green	14 White w/mark every 100mm
	3 Blue	15 Grey w/mark every 100mm
	4 Yellow	16 Turquoise w/mark every 100mm
	5 White	17 Orange w/mark every 100mm
	6 Grey	18 Pink w/mark every 100mm
	7 Brown	19 Yellow w/mark every 50mm
	8 Violet	20 White w/mark every 50mm
	9 Turquoise	21 Grey w/mark every 50mm
	10 Black	22 Turquoise w/mark every 50mm
	11 Orange	23 Orange w/mark every 50mm
	12 Pink	24 Pink w/mark every 50mm

Colour inner/outer sheath	Black, RAL 9005
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MECHANICAL PROPERTIES

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	C17	OFC_LT_SWA24SM7A1
UCFIBRE I/O Firetuf OFC-LT-SWA 12x12 OS2	144	12	OS2	C17	OFC_LT_SWA-144SMA1

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

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