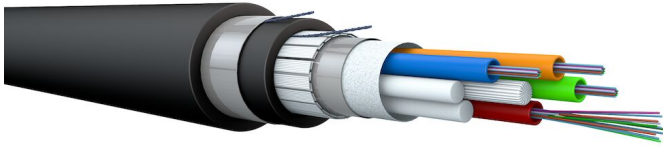


Firetuf™ Fire Resistant Loose Tube Cable

4000N, LT up to 144 fibres, glass yarns, LSHF-FR sheath



GENERAL INFO

4000N, Ind/Out, gel-filled, stranded water-blocked loose tube cable, up to 144 fibres, glass yarn and LSHF-FR sheath.
DIN/VDE: U-DQ(ZN)HQH

CABLE FEATURES

- FO cable with multi loose tube filled with gel for structured cabling.
- The cable is UV-resistant, longitudinally water blocked and rodent-protected with a tensile strength of 4kN.
- 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.
- 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: [ProductFamily377212](#)

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 60331-25

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 750°C during 90min

APPLICATION PROPERTIES

Resistant to UV

UV stabilised

Outdoor installation With rodent protection

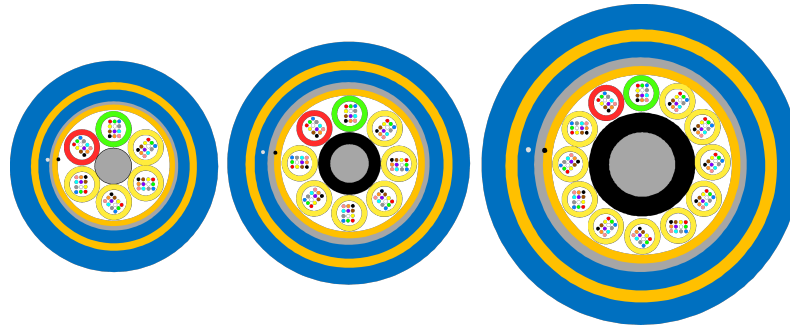
Yes

Operation temperature (min) [°C]*

-30 and (max) [°C] 70

Installation temperature (min) [°C]
DE10_OFCLT_NM_20250115

0 and (max) [°C] 50
P1



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 and Radial water blocking cable	Yes
Rip cord	Yes
Material inner sheath	Low smoke zero halogen
Rip cord	Yes
Armouring/reinforcement	E-glass yarns
Material outer sheath	Low smoke zero halogen
Cable shape	Round
Cable marking example	Draka Firetuf OFC-LT-NM "Fibre count" "Fibre type" "Fibre brand" "Item No" "Batch Number" "Fibre count" "Fibre family" "Mode field diameter" /125 "Transmission Class" "Meter mark"

* Longitudinal water blocking test method according to IEC 60794-1-22 F5B and limited to the gell filled cable core.

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 Blue, RAL 5015

MECHANICAL PROPERTIES

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]
12	12	21.8	327	436	545
24	12	21.8	327	436	545
36	12	21.8	327	436	545
48	12	21.8	327	436	545
72	12	21.8	327	436	545
96	12	23.1	346	462	597
144	12	25.9	389	518	752

ORDERING DETAILS

Product name	Number of fibres	Number of fibres per tube	Category (fibre)	Fibre datasheet	SAP code
OFC LT NM 8X12F OS2	96	12	OS2	C03	60079017
OFC LT NM 1X12E OS2	12	12	OS2	C17	60077038
OFC LT NM 2X12E OS2	24	12	OS2	C17	60087397
OFC LT NM 3X12E OS2	36	12	OS2	C17	60083416
OFC LT NM 4X12E OS2	48	12	OS2	C17	60087396
OFC-LT-NM 6X12 OS2	72	12	OS2	C17	OFC_LT_NM-72A1
OFC LT NM 12X12E OS2	144	12	OS2	C17	60076980
OFC LT NM 8X12G OM3	96	12	OM3	C31	60094599

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

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