

Firetuf™ OFC-UT-CST: Fire Resistant Armoured Central Tube..

3500N, CT up to 24 fibres, glass yarns, steel tape, LSHF-FR sheath



GENERAL INFO

3500N, Ind/Out, gel-filled, water-blocked central tube cable, up to 24 fibres, glass yarn, steel tape armoring and LSHF-FR sheath. DIN/VDE: U-DQ(ZN)H(SR)H

CABLE FEATURES

- FO cable with central loose tube filled with gel for structured cabling.
- The cable is UV-resistant, with steel tape armoring, longitudinally water blocked and rodent-protected with a tensile strength of 3.5kN.
- 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 120 minutes), EN 50200 PH120, EN 50200 Annex E PH30, IEC 60331-1 PH90 (based on for D> 20 mm) and BS 8434-2.
- 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/IEC60794-1.

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

Latest version of this data sheet is available for download: [ProductFamily377200_en.pdf](#)

CERTIFICATIONS AND DESIGN STANDARDS



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

EN 50200

IEC 60331-25

BS 8434-2

EN 50200 ANNEX E PH 30

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 120min + mechanical impacts

Fire resistance at 750°C during 120min + 15min cooling down

Fire resistance until 60 minutes of fire and impact alone,
followed by 60 minutes of fire, impact and water spray at 930 °C

Fire resistance until 15 minutes of fire and impact alone,
followed by 15 minutes of fire, impact and water spray at 830 °C

APPLICATION PROPERTIES

Resistant to UV	UV stabilised
Outdoor installation With rodent protection	Yes
Operation temperature (min) [°C]*	-40 and (max) [°C] 80
Installation temperature (min) [°C]	0 and (max) [°C] 50
Storage temperature (min) [°C]	0 and (max) [°C] 50
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	Central 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,
Material outer sheath	mm, Low smoke zero halogen
Cable shape	Round
Cable marking example	Draka Firetuf OFC-UT-CST "Fibre count" "Fibre type" "Fibre brand" "Item No" "Batch Number" "Fibre count" "Fibre family" "Mode field diameter" /125 "Transmission Class" "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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CABLE DETAILS

Product name	Number of fibres	Category (fibre)	Fibre datasheet	SAP code
UCFIBRE I/O Firetuf OFC-UT-CST 12 OS2	12	OS2	C17	OFC_UT_CST-12SM7A1
UCFIBRE I/O Firetuf OFC-UT-CST 24 OS2	24	OS2	C17	OFC_UT_CST-24SM7A1

**Items with C17 fibre datasheet available also with SM2D G.652.D/SM7A1 BendBright printing.*

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

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