

## UC<sup>FIBRE™</sup> I/O CT D DA LSHF-FR 1.5 kN

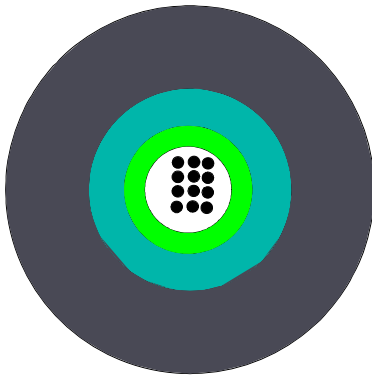
Central tube, 2- 24 fibres, FireRes<sup>®</sup> sheath, IEC 60332-3C

DIN/VDE U- DQ (ZN) B H

NO

FR

<sup>DK</sup> GARPE 5 FR plus



### Application and Installation

This cable can be used for LAN and WAN backbones and intra building connections. This cable is specific amid at installations where there is a requirement for passing a large scale fibre test. e.g. IEC 60332-3-24 The cable features a high tensile strength and a degree of rodent protection.

This cable is suitable for installation indoor on trays and in ducts. It may also be installed outdoor in ducts, even water filled; but it is not suitable for direct burial.

### Standards

EN 187 000  
IEC 60794-2  
IEC 60794-2-20  
IEC 60794-2-21  
ISO 11801 2nd edition  
EN 50 173-1

### Construction

Loose tube	ø2.8 mm jelly filled loose tube with 2 – 16 fibres; ø3.5 mm loose tube with 24 fibres			
Fibre colour code	1	Red	13	Yellow w/mark per 70 mm
	2	Green	14	White w/mark per 70 mm
	3	Blue	15	Grey w/mark per 70 mm
	4	Yellow	16	Turquoise w/mark per 70 mm
	5	White	17	Orange w/mark per 70 mm
	6	Grey	18	Pink w/mark per 70 mm
	7	Brown	19	Yellow w/mark every 35 mm
	8	Violet	20	White w/mark every 35 mm
	9	Turquoise	21	Grey w/mark every 35 mm
	10	Black	22	Turquoise w/mark every 35 mm
	11	Orange	23	Orange w/mark every 35 mm
	12	Pink	24	Pink w/mark every 35 mm

*Note: The Draka policy of continuous improvement may cause in changed specifications without prior notice*

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Strength member	Waterblocked E-Glass fibre elements
Sheath	Grey FireRes <sup>®</sup> sheath, UV stabilised, EN 50290-2-27

### Fire rating

IEC 60332-1-2	Single vertical wire test,
IEC 60332-3-24 = IEC 332-3C	Vertically-mounted bunched wires and cables
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

### Heat of combustion

2 – 16 fibres	830 MJ/km	0.23 kWh/m
24 fibres	960 MJ/km	0.27 kWh/m

### Physical properties

IEC 60794-1

Nominal outer diameter	-	2 - 16 fibres: 7.5 mm 18 - 24 fibres: 8.0 mm
Nominal weight	-	2 - 16 fibres: 65 kg/km 18 - 24 fibres: 70 kg/km
Maximum installation tensile strength	E1	1500 N (fibre strain less than 1/2 of proof test level)
Short term tensile strength	E1	1000 N (fibre strain less than 1/3 of proof test level)
Permanent tensile strength	E1	700 N (no attenuation change, fibre strain less than 1/4 of proof test level)
Compressive strength (crush)	E3	2000N
Impact	E4	15 Nm (no attenuation change, no broken cable elements)
Torsion	E7	5 cycles ± 1 turn
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter of 200 mm
Min. Bending radius, unloaded	E11	R = 60 mm
Min. Bending radius, loaded	-	R = 100 mm
Temperature range	F1	Storage: -40°C to +60°C (short term up to 70 °C) Installation: -15°C to +40°C Operation: -30°C to +70°C.
Water penetration	F5B	No water on free end

### Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
o. request				

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