

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

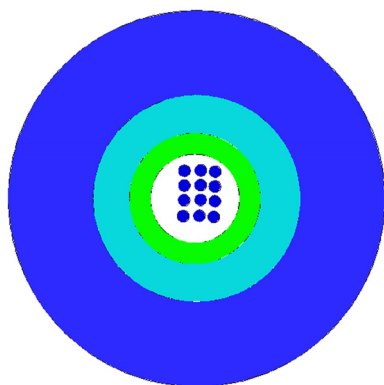
### Central tube cable w. 2 – 24 fibres, glass elements and FireBur<sup>®</sup> sheath

DIN/VDE U-DQ(ZN)BH

NO QXAI-I/O/RG-JS/W

FR COUTFW

DK GARPE 5 FR



### Application and Installation

This cable can be used for LAN and WAN backbones, telecom access lines, fibre to business and fibre to the building drop connections as well as fibre to the home drop and access connections.

With its FireBur<sup>®</sup> LSHF sheathing this cable is ideal for mixed indoor and outdoor installation. This cable features a high tensile strength and a degree of rodent protection, effective in many cases. It is equally suited for installation in ducts and on trays. The cable is suited for installation in tubes by blowing and flooding. The cable may be used for direct burial with proper sand back filling.

### Standards

ISO 11801 2<sup>nd</sup> edition

EN 50173-1:2002

IEC 60794-1

### 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
Strength member	Waterblocked E-Glass fibre elements		
Sheath	1.5 mm blue FireBur <sup>®</sup> sheath, UV stabilised, IEC 50290-2-27		

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

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### Fire rating

IEC 60332-1-2	Single vertical wire test
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

### Heat of combustion

2-16 fibres:	1100 MJ/km	0.31 kWh/m
24 fibres:	1300 MJ/km	0.36 kWh/km

### Physical properties

IEC 60794-1

Nominal outer diameter	-	2 - 16 fibres: 7.5 mm 24 fibres: 8.0 mm
Nominal weight	-	2 - 16 fibres: 55 kg/km 24 fibres: 60 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	2000 N
Impact	E4	20 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

### Sheath marking

Draka UC<sup>FIBRE</sup> I/O CT D DA LSHF 1.5 kN <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> U-DQ(ZN)BH <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class> G <Fibre count> <Mode field diameter>/125 QXAI-I/O/RG-JS/W

*There is approximately 10cm space between the three blocks of text. Text string repeats every meter of the cable.*



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### Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
1021806	4	UCFIBRE I/O CT D DA LSHF 1.5kN 4 MM51	OM2 50/125 multi mode 500/ 500	C23
1021807	8	UCFIBRE I/O CT D DA LSHF 1.5kN 8 MM51	OM2 50/125 multi mode 500/ 500	C23
1021814	12	UCFIBRE I/O CT D DA LSHF 1.5kN 12 MM51	OM2 50/125 multi mode 500/ 500	C23
1021821	16	UCFIBRE I/O CT D DA LSHF 1.5kN 16 MM51	OM2 50/125 multi mode 500/ 500	C23
1021815	24	UCFIBRE I/O CT D DA LSHF 1.5kN 24 MM51	OM2 50/125 multi mode 500/ 500	C23
1017416	4	UCFIBRE I/O CT D DA LSHF 1.5kN 4 OM3B	MaxCap-BB-OM3	C31
1017418	8	UCFIBRE I/O CT D DA LSHF 1.5kN 8 OM3B	MaxCap-BB-OM3	C31
7017038	12	UCFIBRE I/O CT D DA LSHF 1.5kN 12 OM3B	MaxCap-BB-OM3	C31
1022522	16	UCFIBRE I/O CT D DA LSHF 1.5kN 16 OM3B	MaxCap-BB-OM3	C31
1022523	24	UCFIBRE I/O CT D DA LSHF 1.5kN 24 OM3B	MaxCap-BB-OM3	C31
1020266	4	UCFIBRE I/O CT D DA LSHF 1.5kN 4 OM4B	MaxCap-BB-OM4	C32
1020364	6	UCFIBRE I/O CT D DA LSHF 1.5kN 4 OM4B	MaxCap-BB-OM4	C32
1017906	12	UCFIBRE I/O CT D DA LSHF 1.5kN 12 OM4B	MaxCap-BB-OM4	C32
1017843	24	UCFIBRE I/O CT D DA LSHF 1.5kN 24 OM4B	MaxCap-BB-OM4	C32
1016938	4	UCFIBRE I/O CT D DA LSHF 1.5kN 4 MM61	OM1 62.5/125 multi mode	C02
1017460	8	UCFIBRE I/O CT D DA LSHF 1.5kN 8 MM61	OM1 62.5/125 multi mode	C02
1016942	12	UCFIBRE I/O CT D DA LSHF 1.5kN 12 MM61	OM1 62.5/125 multi mode	C02
1016945	24	UCFIBRE I/O CT D DA LSHF 1.5kN 24 MM61	OM1 62.5/125 multi mode	C02
1016939	4	UCFIBRE I/O CT D DA LSHF 1.5kN 4 SM2D	OS2 Single mode	C03e
1017040	8	UCFIBRE I/O CT D DA LSHF 1.5kN 8 SMD2	OS2 Single mode	C03e
1016943	12	UCFIBRE I/O CT D DA LSHF 1.5kN 12 SM2D	OS2 Single mode	C03e
1016946	24	UCFIBRE I/O CT D DA LSHF 1.5kN 24 SM2D	OS2 Single mode	C03e
1017758	12	UCFIBRE I/O CT D DA LSHF 1.5kN 12 SM2D/OM3B	Hybrid 6 x OS2 single mode + 6 x MaxCap-BB-OM3 multi mode	C03e/ C31