

UC^{FIBRE™} I/O CT D DA LSHF 1.0 kN

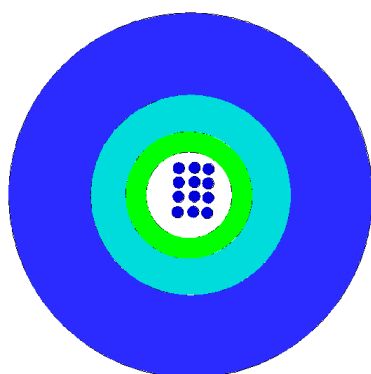
Central tube cable w 2 – 24 fibres, glass elements and FireBur[®] sheath

^{DIN/VDE} U-DQ(ZN)BH

^{NO} QXAI-I/ORG-JSW

^{FR} COUTFV

^{DK} GARPE 6 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[®] LSHF sheathing this cable is ideal for mixed indoor and outdoor installation. It is equally suited for installation in ducts and on trays. The cable is well suited for installation in tubes by blowing and flooding.

Standards

ISO 11801 2nd edition

EN 50173-1:2002

IEC 60794-2-20

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 every 70 mm
	2	Green	14	White w/mark every 70 mm
	3	Blue	15	Grey w/mark every 70 mm
	4	Yellow	16	Turquoise w/mark every 70 mm
	5	White	17	Orange w/mark every 70 mm
	6	Grey	18	Pink w/mark every 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	1.0 mm blue FireBur [®] sheath, UV stabilised, IEC 50290-2-27

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:	630 MJ/km	0.18 kWh/m
24 fibres:	800 MJ/km	0.22 kWh/km

Physical properties

IEC 60794-1

Nominal outer diameter	-	2 - 16 fibres: 6.0 mm 18 - 24 fibres: 6.5 mm
Nominal weight	-	2 - 16 fibres: 40 kg/km 18 - 24 fibres: 45 kg/km
Maximum installation tensile strength	E1	1000 N (fibre strain less than 1/2 of proof test level)
Short term tensile strength	E1	750 N (fibre strain less than 1/3 of proof test level)
Permanent tensile strength	E1	500 N (no attenuation change, fibre strain less than 1/4 of proof test level)
Compressive strength (crush)	E3	1500 N
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 100 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 Installation: -30°C to +40°C Operation: -30°C to +60°C.
Water penetration	F5B	No water on free end

Sheath marking

Draka UC^{FIBRE} I/O CT D DA LSHF 1.0 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>

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
1017435	4	UCFIBRE I/O CT D DA LSHF 1.0kN 4 MM51	OM2 50/125 multi mode 500/500	C23
1017436	6	UCFIBRE I/O CT D DA LSHF 1.0kN 6 MM51	OM2 50/125 multi mode 500/500	C23
1017107	8	UCFIBRE I/O CT D DA LSHF 1.0kN 8 MM51	OM2 50/125 multi mode 500/500	C23
1017437	12	UCFIBRE I/O CT D DA LSHF 1.0kN 12 MM51	OM2 50/125 multi mode 500/500	C23
1017438	24	UCFIBRE I/O CT D DA LSHF 1.0kN 24 MM51	OM2 50/125 multi mode 500/500	C23
1018246	4	UCFIBRE I/O CT D DA LSHF 1.0kN 4 OM3B	MaxCap-BB-OM3 50/125 multi mode	C31
1017113	6	UCFIBRE I/O CT D DA LSHF 1.0kN 6 OM3B	MaxCap-BB-OM3 50/125 multi mode	C31
1017139	8	UCFIBRE I/O CT D DA LSHF 1.0kN 8 OM3B	MaxCap-BB-OM3 50/125 multi mode	C31
1017140	12	UCFIBRE I/O CT D DA LSHF 1.0kN 12 OM3B	MaxCap-BB-OM3 50/125 multi mode	C31
1017141	24	UCFIBRE I/O CT D DA LSHF 1.0kN 24 OM3B	MaxCap-BB-OM3 50/125 multi mode	C31
1022246	12	UCFIBRE I/O CT D DA LSHF 1.0kN 12 OM4B	MaxCap-BB-OM4 50/125 multi mode	C32
1022247	24	UCFIBRE I/O CT D DA LSHF 1.0kN 24 OM4B	MaxCap-BB-OM4 50/125 multi mode	C32
1016955	4	UCFIBRE I/O CT D DA LSHF 1.0kN 4 MM61	OM1 62.5/125 multi mode	C02
1017267	6	UCFIBRE I/O CT D DA LSHF 1.0kN 6 MM61	OM1 62.5/125 multi mode	C02
1016959	8	UCFIBRE I/O CT D DA LSHF 1.0kN 8 MM61	OM1 62.5/125 multi mode	C02
1017536	12	UCFIBRE I/O CT D DA LSHF 1.0kN 12 MM61	OM1 62.5/125 multi mode	C02
1017269	24	UCFIBRE I/O CT D DA LSHF 1.0kN 24 MM61	OM1 62.5/125 multi mode	C02
1016956	4	UCFIBRE I/O CT D DA LSHF 1.0kN 4 SM2D	OS2 Single mode G652.D	C03e
1017268	6	UCFIBRE I/O CT D DA LSHF 1.0kN 6 SM2D	OS2 Single mode G652.D	C03e
1016960	8	UCFIBRE I/O CT D DA LSHF 1.0kN 8 SM2D	OS2 Single mode G652.D	C03e
1016962	12	UCFIBRE I/O CT D DA LSHF 1.0kN 12 SM2D	OS2 Single mode G652.D	C03e
1016964	24	UCFIBRE I/O CT D DA LSHF 1.0kN 24 SM2D	OS2 Single mode G652.D	C03e
1018667	12	UCFIBRE I/O CT D DA LSHF 1.0kN 12 SM2D/MM52	Hybrid 4 x OS2 single mode + 8 x OM2 50/125	C03e + C01a
1018668	24	UCFIBRE I/O CT D DA LSHF 1.0kN 24 SM2D/MM52	Hybrid 16 x OS2 single mode + 8 x OM2 50/125	C03e + C01a

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