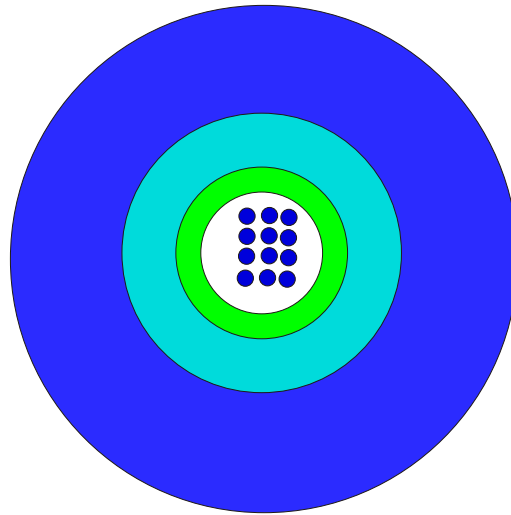


Product information

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

Central tube, 2 – 24 fibres, FireBur® sheath

DIN/VDE U-DQ(ZN) BH NO QXAI-1/ORG-JS/W FR COUTFV DK GARPE 6FR



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 60794-1

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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
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/m

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Physical properties
IEC 60794-1

<i>Property</i>	<i>Test method</i>	<i>Value</i>
Nominal outer diameter		2 - 16 fibres: 6.0 mm 24 fibres: 6.5 mm
Nominal weight		2 - 16 fibres: 65 kg/km 18 - 24 fibres: 70 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	1500N
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

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Product codes – ordering information

Item No. BKT	Fibre count	Product code	Fibre type	Fibre data sheet
10250302	4	UCFIBRE I/O CT D DA LSHF 1.0 kN 4 MM52	OM2 50/125 wielomodowy 600/1200	C01a
10250303	6	UCFIBRE I/O CT D DA LSHF 1.0 kN 6 MM52	OM2 50/125 wielomodowy 600/1200	C01a
10250304	8	UCFIBRE I/O CT D DA LSHF 1.0 kN 8 MM52	OM2 50/125 wielomodowy 600/1200	C01a
10250306	12	UCFIBRE I/O CT D DA LSHF 1.0 kN 12 MM52	OM2 50/125 wielomodowy 600/1200	C01a
10250307	16	UCFIBRE I/O CT D DA LSHF 1.0 kN 16 MM52	OM2 50/125 wielomodowy 600/1200	C01a
10250308	24	UCFIBRE I/O CT D DA LSHF 1.0 kN 24 MM52	OM2 50/125 wielomodowy 600/1200	C01a
10250402	4	UCFIBRE I/O CT D DA LSHF 1.0 kN 4 MM53	OM3 MaxCap® 300 50/125 wielomodowy	C12
10250403	6	UCFIBRE I/O CT D DA LSHF 1.0 kN 6 MM53	OM3 MaxCap® 300 50/125 wielomodowy	C12
10250404	8	UCFIBRE I/O CT D DA LSHF 1.0 kN 8 MM53	OM3 MaxCap® 300 50/125 wielomodowy	C12
10250906	12	UCFIBRE I/O CT D DA LSHF 1.0 kN 12 MM53	OM3 MaxCap® 300 50/125 wielomodowy	C12
10250407	16	UCFIBRE I/O CT D DA LSHF 1.0 kN 16 MM53	OM3 MaxCap® 300 50/125 wielomodowy	C12
10250408	24	UCFIBRE I/O CT D DA LSHF 1.0 kN 24 MM53	OM3 MaxCap® 300 50/125 wielomodowy	C12
10250202	4	UCFIBRE I/O CT D DA LSHF 1.0 kN 4 MM61	OM1 62.5/125 wielomodowy	C02
10250203	6	UCFIBRE I/O CT D DA LSHF 1.0 kN 6 MM61	OM1 62.5/125 wielomodowy	C02
10250204	8	UCFIBRE I/O CT D DA LSHF 1.0 kN 8 MM61	OM1 62.5/125 wielomodowy	C02
10250206	12	UCFIBRE I/O CT D DA LSHF 1.0 kN 12 MM61	OM1 62.5/125 wielomodowy	C02
10250207	16	UCFIBRE I/O CT D DA LSHF 1.0 kN 16 MM61	OM1 62.5/125 wielomodowy	C02
10250208	24	UCFIBRE I/O CT D DA LSHF 1.0 kN 24 MM61	OM1 62.5/125 wielomodowy	C02
10250102	4	UCFIBRE I/O CT D DA LSHF 1.0 kN 4 SM2D	OS2 jednomodowy G652.D	C03e
10250103	6	UCFIBRE I/O CT D DA LSHF 1.0 kN 6 SM2D	OS2 jednomodowy G652.D	C03e
10250104	8	UCFIBRE I/O CT D DA LSHF 1.0 kN 8 SM2D	OS2 jednomodowy G652.D	C03e
10250106	12	UCFIBRE I/O CT D DA LSHF 1.0 kN 12 SM2D	OS2 jednomodowy G652.D	C03e
10250107	16	UCFIBRE I/O CT D DA LSHF 1.0 kN 16 SM2D	OS2 jednomodowy G652.D	C03e
10250108	24	UCFIBRE I/O CT D DA LSHF 1.0 kN 24 SM2D	OS2 jednomodowy G652.D	C03e

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Product codes – ordering information

Item No. DRAKA	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
1016954	4	UCFIBRE I/O CT D DA LSHF 1.0kN 4 MM52	OM2 50/125 multi mode 600/1200	C01a
1016957	6	UCFIBRE I/O CT D DA LSHF 1.0kN 6 MM52	OM2 50/125 multi mode 600/1200	C01a
1016958	8	UCFIBRE I/O CT D DA LSHF 1.0kN 8 MM52	OM2 50/125 multi mode 600/1200	C01a
1016961	12	UCFIBRE I/O CT D DA LSHF 1.0kN 12 MM52	OM2 50/125 multi mode 600/1200	C01a
1016963	24	UCFIBRE I/O CT D DA LSHF 1.0kN 24 MM52	OM2 50/125 multi mode 600/1200	C01a
1018246	4	UCFIBRE I/O CT D DA LSHF 1.0kN 4 MM53	OM3 MaxCap–OM3 50/125 multi mode	C12
1017113	6	UCFIBRE I/O CT D DA LSHF 1.0kN 6 MM53	OM3 MaxCap–OM3 50/125 multi mode	C12
1017139	8	UCFIBRE I/O CT D DA LSHF 1.0kN 8 MM53	OM3 MaxCap–OM3 50/125 multi mode	C12
1017140	12	UCFIBRE I/O CT D DA LSHF 1.0kN 12 MM53	OM3 MaxCap–OM3 50/125 multi mode	C12
1017141	24	UCFIBRE I/O CT D DA LSHF 1.0kN 24 MM53	OM3 MaxCap–OM3 50/125 multi mode	C12
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