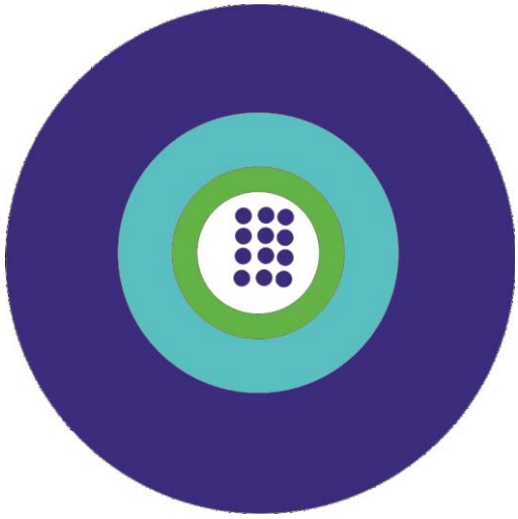
Product Information

UC[FIBRE] I/O CT D DA LSHF 1.0 kN E14

Central tube, FireBur® sheath, IEC 60332-1

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

PI_10250XYZ _01.15



Applications

Universal, indoor and outdoor
LAN backbones
Telecom access lines
Computer network, campus network

Standards

ISO 11801 2-nd Edition
EN 50173-1:2002
IEC 60794-1

Product Information

UC[FIBRE] I/O CT D DA LSHF 1.0 kN E14

Central tube, FireBur® sheath, IEC 60332-1

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

PI_10250XYZ _01.15

Construction

Loose tube	Central tube, jelly filled; ø 2.8 mm with 2 - 16 fibres, ø 3.5 mm with 24 fibres	
Colour sequence	1 Red	13 Yellow + marking every 70 mm
	2 Green	14 White + marking every 70 mm
	3 Blue	15 Grey + marking every 70 mm
	4 Yellow	16 Turquoise + marking every 70 mm
	5 White	17 Orange + marking every 70 mm
	6 Grey	18 Pink + marking every 70 mm
	7 Brown	19 Yellow + marking every 35 mm
	8 Violet	20 White + marking every 35 mm
	9 Turquoise	21 Grey + marking every 35 mm
	10 Black	22 Turquoise + marking every 35 mm
	11 Orange	23 Orange + marking every 35 mm
	12 Pink	24 Pink + marking every 35 mm
Reinforcement	Reinforced with glass fibre	
Sheath	1.0 mm, FireBur® blue, UV-resistant, IEC 50290-2-27	

Structure

Loose tube	Loose tube ø 2.8/3.5 mm filled with hydrophobic gel with 2-16/24 fibres
Strength member	Hydrophobic glass fibre insulation
Sheath	1.0 mm blue FireBur®, UV-resistant, IEC 50290-2-27

Non-flammability

IEC 60332-1-2	Single vertical wire test
IEC60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

Heat of combustion

2÷16 fibres:	660 MJ/km	0.18 KWh/km
24 fibres:	800 MJ/km	0.22 KWh/km

Product Information

UC[FIBRE] I/O CT D DA LSHF 1.0 kN E14

Central tube, FireBur® sheath, IEC 60332-1

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

PI_10250XYZ _01.15

Physical properties IEC 60974- 1

Property	*Testing methodology*	*Value*
Outer diameter		2-16 fibres: 6.0 mm 18-24 fibres: 6.5 mm
Weight		2-16 fibres: 40 kg/km 18-24 fibres: 45 kg/km
Maximum tensile strength	E1	1000 N (less than 1/2 of fibre strength)
Tensile strength (dynamic)	E1	750 N (less than 1/3 of fibre strength)
Tensile strength (static)	E1	500 N (no attenuation; less than 1/4 fibre strength)
Breaking force	E3	1500N/dm
Impact	E7	15 Nm (no attenuation; no broken cable elements)
Torsion	E7	5 cycles ± 1 turn
Kink	E10	Cables do not form a kink when a loop's diameter is more than 100 mm
Minimum bending radius (dynamic)	E11	R=60 mm
Minimum bending radius (static)		R=100 mm
Temperature range	F1	Storage: from -40°C to +60°C Installation: from -15°C to +40°C Operation: from -40°C to ca. +60°C
Water penetration	F5B	Resistant to longitudinal water penetration

Transmission characteristics IEC 60793-2

Refer to fibre data sheets

Type designation cross reference

DIN/VDE	I/A- DQ (ZN) BHn, n-number of fibres
Draka Denmark	UTnnnmm-79-xxx; nnn - number of fibres, mm - type of fibre

Product Information

UC[FIBRE] I/O CT D DA LSHF 1.0 kN E14

Central tube, FireBur® sheath, IEC 60332-1

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

PI_10250XYZ _01.15

Ordering information

Index	Number of fibres	Product code	Type of fibre	Fibre specification number
10250302	4	UCFIBRE I/O CT D DA LSHF 1.0 kN 4 MM51	OM2 50/125 multimode 500/500	C23
10250303	6	UCFIBRE I/O CT D DA LSHF 1.0 kN 6 MM51	OM2 50/125 multimode 500/500	C23
10250304	8	UCFIBRE I/O CT D DA LSHF 1.0 kN 8 MM51	OM2 50/125 multimode 500/500	C23
10250306	12	UCFIBRE I/O CT D DA LSHF 1.0 kN 12 MM51	OM2 50/125 multimode 500/500	C23
10250307	16	UCFIBRE I/O CT D DA LSHF 1.0 kN 16 MM51	OM2 50/125 multimode 500/500	C23
10250308	24	UCFIBRE I/O CT D DA LSHF 1.0 kN 24 MM51	OM2 50/125 multimode 500/500	C23
10250402	4	UCFIBRE I/O CT D DA LSHF 1.0 kN 4 OM3 B	OM3 MaxCap®BB 300 50/125 multimode	C31
10250403	6	UCFIBRE I/O CT D DA LSHF 1.0 kN 6 OM3 B	OM3 MaxCap® BB 300 50/125 multimode	C31
10250404	8	UCFIBRE I/O CT D DA LSHF 1.0 kN 8 OM3 B	OM3 MaxCap® BB 300 50/125 multimode	C31
10250906	12	UCFIBRE I/O CT D DA LSHF 1.0 kN 12 OM3 B	OM3 MaxCap® BB 300 50/125 multimode	C31
10250407	16	UCFIBRE I/O CT D DA LSHF 1.0 kN 16 OM3 B	OM3 MaxCap® BB 300 50/125 multimode	C31
10250408	24	UCFIBRE I/O CT D DA LSHF 1.0 kN 24 OM3 B	OM3 MaxCap® BB 300 50/125 multimode	C31
10250202	4	UCFIBRE I/O CT D DA LSHF 1.0 kN 4 MM61	OM1 62.5/125 multimode	C02
10250203	6	UCFIBRE I/O CT D DA LSHF 1.0 kN 6 MM61	OM1 62.5/125 multimode	C02
10250204	8	UCFIBRE I/O CT D DA LSHF 1.0 kN 8 MM61	OM1 62.5/125 multimode	C02
10250206	12	UCFIBRE I/O CT D DA LSHF 1.0 kN 12 MM61	OM1 62.5/125 multimode	C02
10250207	16	UCFIBRE I/O CT D DA LSHF 1.0 kN 16 MM61	OM1 62.5/125 multimode	C02
10250208	24	UCFIBRE I/O CT D DA LSHF 1.0 kN 24 MM61	OM1 62.5/125 multimode	C02
10250102	4	UCFIBRE I/O CT D DA LSHF 1.0 kN 4 SM2D	OS2 singlemode G652.D	C03e
10250103	6	UCFIBRE I/O CT D DA LSHF 1.0 kN 6 SM2D	OS2 singlemode G652.D	C03e
10250104	8	UCFIBRE I/O CT D DA LSHF 1.0 kN 8 SM2D	OS2 singlemode G652.D	C03e
10250106	12	UCFIBRE I/O CT D DA LSHF 1.0 kN 12 SM2D	OS2 singlemode G652.D	C03e
10250107	16	UCFIBRE I/O CT D DA LSHF 1.0 kN 16 SM2D	OS2 singlemode G652.D	C03e
10250108	24	UCFIBRE I/O CT D DA LSHF 1.0 kN 24 SM2D	OS2 singlemode G652.D	C03e
10250521	4	UCFIBRE I/O CT D DA LSHF 1.0 kN 4 OM4B	OM4 MaxCap® BB 50/125 multimode	C32
10250531	6	UCFIBRE I/O CT D DA LSHF 1.0 kN 6 OM4B	OM4 MaxCap® BB 50/125 multimode	C32
10250541	8	UCFIBRE I/O CT D DA LSHF 1.0 kN 8 OM4B	OM4 MaxCap® BB 50/125 multimode	C32
10250561	12	UCFIBRE I/O CT D DA LSHF 1.0 kN 12 OM4B	OM4 MaxCap® BB 50/125 multimode	C32
10250571	16	UCFIBRE I/O CT D DA LSHF 1.0 kN 16 OM4B	OM4 MaxCap® BB 50/125 multimode	C32
10250581	24	UCFIBRE I/O CT D DA LSHF 1.0 kN 24 OM4B	OM4 MaxCap® BB 50/125 multimode	C32
10250006	12 (6+6)	UCFIBRE I/O CT D DA LSHF 1.0 kN 12F (6 SM E9/125+ 6 MM OM3B)	OS2 singlemode G652.D + OM3 MaxCap® BB 300 50/125 multimode	C03e + C31