



UC^{FIBRE} I/O ST D DA LSHF 5.0kN

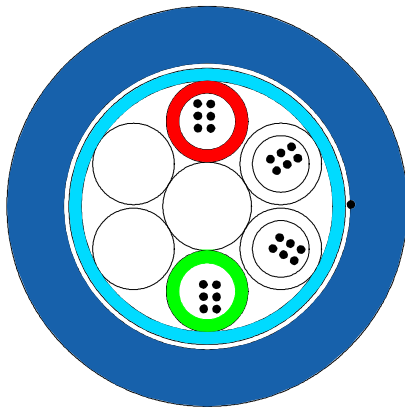
Stranded loose tube cable w. 6 – 216 fibres and 6, 8 or 12 fibres per tube, glass yarns and FireBur[®] sheath

DIN/VDE U-DQ(ZN)BH

NO QXAI-I/ORG-JM/W

FR

DK



Application and Installation

Universal indoor/outdoor cable for LAN, MAN and WAN backbones
Directly installation in the ground
Rodent protection, effective in many cases

Standards

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

Construction

Central strength member	ø2.5 mm FRP rod
Loose tube	ø2.3 mm jelly filled loose tubes, with 6 – 12 fibres each, up to 18 tubes in two layers, for lay-up refer to B04
Water blocking	The core is waterblocked using swellable tape and tread
Wrapping	Polyester nonwoven
Reinforcement	Layer of glass fibre yarns as reinforcement and rodent protection
Ripcord	Polyester ripcord for easy slitting of the sheath
Sheath	1.5 mm FireBur [®] sheath, standard colour blue, Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised

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

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

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Heat of combustion

Fibre count; 6 fibre/tube	Fibre count; 8 fibre/tube	Fibre count; 12 fibre/tube		
6-36	8-48	12-72	2000 MJ/km	0.56 KWh/m
42-48	56-64	84-96	2700 MJ/km	0.75 KWh/m
54-60	72-80	108-120	3500 MJ/km	0.97 KWh/m
66-72	88-96	132-216	4000 MJ/km	1.11 KWh/m

Physical properties

IEC 60974-1-2

Tensile strength (dynamic)	E1	>5000 N
Tensile strength (permanent)	E1	>3500 N
Compressive strength (crush)	E3	3000 N
Impact	E4	20 Nm
Torsion	E7	5 cycles \pm 1 turn
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter 12 times the cable nominal diameter
Temperature range	F1	The cables can bear temperature cycling between -40 °C to +70 °C. The cables will operate without any attenuation variation (\leq 0.05 dB) in the temperature interval -30°C to +60°C. The cables will operate with a maximum attenuation variation of 0.1 dB/km in the temperature interval -40°C to +70°C.
Water penetration	F5	No water on free end

Mechanical properties

Fibre count; 6 fibre/tube	Fibre count; 8 fibre/tube	Fibre count; 12 fibre/tube	Nominal diameter	Nominal cable weight	Minimum bending radius
6-36	8-48	12-72	11.0 \pm 0.5 mm	130 kg/km	150 mm
42-48	56-64	84-96	13.0 \pm 0.5 mm	165 kg/km	180 mm
54-60	72-80	108-120	14.0 \pm 0.5 mm	200 kg/km	200 mm
66-72	88-96	132-216	15.5 \pm 0.5 mm	240 kg/km	220 mm

Sheath marking

DRAKA UC^{FIBRE} I/O ST D DA LSHF 5.0 kN <Fibre count><Fibre type><Fibre brand> <Item No>05<Batch Number><Meter mark>
U-DQ(ZN)BH <Number of Elements> x <Fibre count per element> <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
1021823	24 (2 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 24 MM51	OM2 50/125 multi mode 500/500	C23
1021822	36 (3x12)	UCFIBRE I/O ST D DA LSHF 5.0kN 36 MM51	OM2 50/125 multi mode 500/500	C23
1021824	48 (4 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 48 MM51	OM2 50/125 multi mode 500/500	C23
1021825	96 (8 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 96 MM51	OM2 50/125 multi mode 500/500	C23
1021826	144 (12 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 144 MM51	OM2 50/125 multi mode 500/500	C23
1017527	24 (2 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 24 OM3B	MaxCap-BB-OM3	C31
1025410	36 (3 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 36 OM3B	MaxCap-BB-OM3	C31
1017531	48 (4 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 36 OM3B	MaxCap-BB-OM3	C31
1022935	72 (6 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 72 OM3B	MaxCap-BB-OM3	C31
1017533	96 (8 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 96 OM3B	MaxCap-BB-OM3	C31
1018227	144 (12 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 144 OM3B	MaxCap-BB-OM3	C31
1025919	48 (4 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 48 MM61	OM1 62.5/125 multi mode	C02
1017526	24 (2x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 24 SM2D	OS2 Single mode	C06e
1017530	48 (4 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 48 SM2D	OS2 Single mode	C06e
1018333	72 (6 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 72 SM2D	OS2 Single mode	C06e
1024863	96 (8 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 72 SM2D	OS2 Single mode	C06e
1022111	144 (12 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 144 SM2D	OS2 Single mode	C06e

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