

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

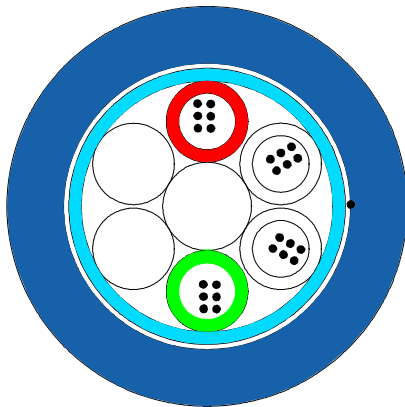
Stranded loose tube, 6 – 216 fibres, 6, 8 or 12 fibres per \varnothing 2.3 mm tube, glass yarns, FireBur[®] sheath

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	\varnothing 2.5 mm FRP rod
Loose tube	\varnothing 2.3 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, UV stabilized, EN 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

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	3000N
Impact	E4	20 Nm
Torsion	E7	5 cycles ± 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 (≤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 ± 0.5 mm	130 kg/km	150 mm
42-48	56-64	84-96	13.0 ± 0.5 mm	165 kg/km	180 mm
54-60	72-80	108-120	14.0 ± 0.5 mm	200 kg/km	200 mm
66-72	88-96	132-216	15.5 ± 0.5 mm	240 kg/km	220 mm

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Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
1017525	24 (2 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 24 MM52	OM2 50/125 multi mode 600/1200	C01a
1017528	36 (3x12)	UCFIBRE I/O ST D DA LSHF 5.0kN 36 MM52	OM2 50/125 multi mode 600/1200	C01a
1017529	48 (4 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 48 MM52	OM2 50/125 multi mode 600/1200	C01a
1017532	96 (8 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 96 MM52	OM2 50/125 multi mode 600/1200	C01a
1017534	144 (12 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 144 MM52	OM2 50/125 multi mode 600/1200	C01a
1017527	24 (2 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 24 MM53	OM3 MaxCap@300 50/125 multi mode	C12
1017531	48 (4 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 36 MM53	OM3 MaxCap@300 50/125 multi mode	C12
1017533	96 (8 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 96 MM53	OM3 MaxCap@300 50/125 multi mode	C12
1017526	24 (2x 12)	UCFIBRE I/O ST D LSHF 5.0kN 24 SM2D	OS2 Single mode	C06e
1017530	48 (4 x 12)	UCFIBRE I/O ST D LSHF 5.0kN 48 SM2D	OS2 Single mode	C06e
1017525	24 (2 x 12)	UCFIBRE I/O ST D DA LSHF 5.0kN 24 MM52	OM2 50/125 multi mode 600/1200	C01a
1017528	36 (3x12)	UCFIBRE I/O ST D DA LSHF 5.0kN 36 MM52	OM2 50/125 multi mode 600/1200	C01a

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