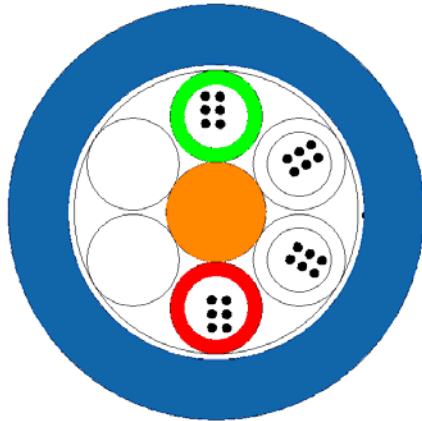


UC^{FIBRE™} I/O STD LSHF 1.8 kN

Stranded loose tube, 6 – 264 fibres, 6, 8 or 12 fibres per \varnothing 2.3 mm tube, FireBur[®] sheath



Application and Installation

Universal indoor/outdoor cable for LAN, MAN and WAN backbones
Installation directly in the ground with proper sand filling

Standards

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

Construction

Central strength member	ø2.5 mm FRP rod			
Fibre colour code	1	Red	7	Brown
	2	Green	8	Violet
	3	Blue	9	Turquoise
	4	Yellow	10	Black
	5	White	11	Orange
	6	Grey	12	Pink
Loose tube	ø2.3 mm jelly filled loose tubes, with 2 – 12 fibres each, up to 22 tubes in two layers, for lay-up refer to B04			
Water blocking	The core is water blocked using swellable tape and tread			
Wrapping	Polyester nonwoven			
Ripcord	Polyester ripcord for easy slitting of the sheath			
Sheath	1.5 mm blue FireBur [®] , UV stabilized, EN 50290-2-27			

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

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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

Fibre count; 6 fibre/tube	Fibre count; 8 fibre/tube	Fibre count; 12 fibre/tube	MJ/km	KWh/m
6-36	8-48	12-72	1900	0.53
42-48	56-64	84-96	2600	0.72
54-60	72-80	108-120	3400	0.94
66-72	88-96	132-144	4300	1.19
78-84	104-112	156-168	5400	1.50
90-108	120-144	180-216	4000	1.11
114-132	152-176	228-264	5000	1.39

Physical properties

IEC 60974-1-2

Tensile strength (dynamic)	E1	1800 N
Tensile strength (permanent)	E1	1200 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	10.5 mm	90 kg/km	160 mm
42-48	56-64	84-96	12.0 mm	125 kg/km	180 mm
54-60	72-80	108-120	13.5 mm	155 kg/km	200 mm
66-72	88-96	132-144	15.0 mm	190 kg/km	225 mm
78-84	104-112	156-168	16.5 mm	230 kg/km	250 mm
90-108	120-144	180-216	15.0 mm	180 kg/km	225 mm
114-132	152-176	228-264	16.5 mm	225 kg/km	250 mm

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UC^{FIBRE™} I/O ST D LSHF 1.8 kN**Product codes – ordering information**

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
1018405	72 (6 x 12)	UCFIBRE I/O ST D DA LSHF 6.0kN 72 SM2D	OS2 Single mode	C06e

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