

UC^{FIBRE™} I/O ST D MA LSHF-FR 1.8 kN

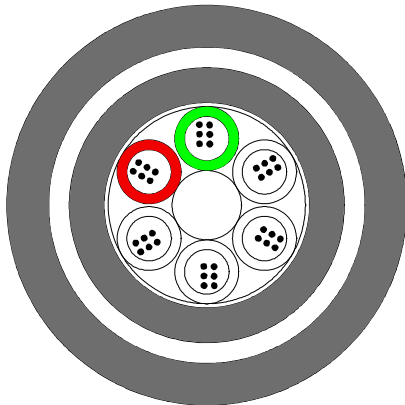
Stranded loose tubes, 6 – 96 fibre, 6, 8 or 12 fibres per 2.3 mm tubes, semi dry construction, inner FireRes[®] sheath, corrugated steel tape armouring, outer FireRes[®] sheath

DIN/VDE U-DQ H (SR) H

NO

FR

DK



Application and Installation

Installation on tunnels and subways

Difficult installation environments where fire retardancy is an issue

For installation with risk of severe rodent attacks

Standards

EN 187 000
IEC 60794-3
IEC 60794-3-10
IEC 60794-3-12
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 up to 12 fibres each			
Water blocking	The core is wrapped with swellable tape			
Inner sheath	Grey FireRes [®] , EN 50290-2-27			
Armouring	0.155 mm corrugated steel tape			
Outer sheath	1.5 mm grey FireRes [®] , EN 20290-2-27			

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 60332-3-24 = IEC 332-3C	Vertically-mounted bunched wires and cables
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

Physical properties

IEC 60974-1-2

Property	Test method	Value
Tensile strength (dynamic)	E1	1800 N
Tensile strength (permanent)	E1	1200 N
Compressive strength (crush)	E3	3000N
Impact	E4	20 Nm
Reverse bending	E6	30 reversed bends; R = 300 mm
Torsion	E7	5 cycles ±1 turn
Kink	E10	No kink at 12x cable diameter
Temperature range	F1	Storage: -60 °C to 60 °C Installation: -30 °C to 60 °C Operation -60 °C to 70 °C In the interval -60 °C to 70 °C there is no attenuation variation (≤0.05 dB) for a single mode fibre, when tested according to the standard mentioned.
Water penetration	F5B	No water on free end (core only)

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	8-72	14.5 mm	250 kg/km	290 mm
42-48	56-64	84-96	16.0 mm	300 kg/km	320 mm

Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
o. request				

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