

UC^{FIBRE™} I/O ST D MA LSHF 1.8 kN

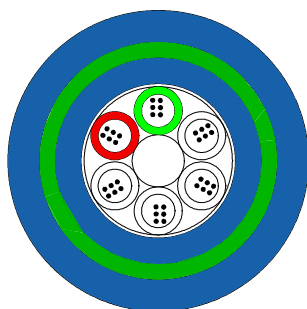
Stranded loose tubes, 6 – 96 fibre, 6, 8 or 12 fibres per 2.3 mm tubes, semi dry construction, inner FireBur[®] sheath, corrugated steel tape armouring, outer FireBur[®] sheath

DIN/VDE U-DQ H (SR) H

NO

FR

DK



Application and Installation

Outdoor data communication connections

CATV trunk lines

Telecom trunk lines

Telecom access net connections

For direct burial and conditions with risk of severe rodent attacks

Standards

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 2 – 12 fibres each.			
Water blocking	The core is water blocked swell able tape and tread			
Wrapping	Polyester tape			
Inner sheath	Blue FireBur [®] EN 50290-2-27:2000			
Armouring	0.155 mm corrugated steel tape			
Outer sheath	1.5 mm blue FireBur [®] EN 50290-2-27:2000			

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

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 12 x 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	215 kg/km	290 mm
42-48	56-64	84-96	16.0 mm	260 kg/km	320 mm

Sheath marking

Draka UC^{FIBRE} I/O ST D MA LSHF 1.8 kN <Fibre count> <Fibre type><Fibre brand> <Item No>05<Batch Number><Meter mark>

U-DQ H(SR)H <Number of Elements> x <Fibre count per elements> <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.

Product codes – ordering information

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

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