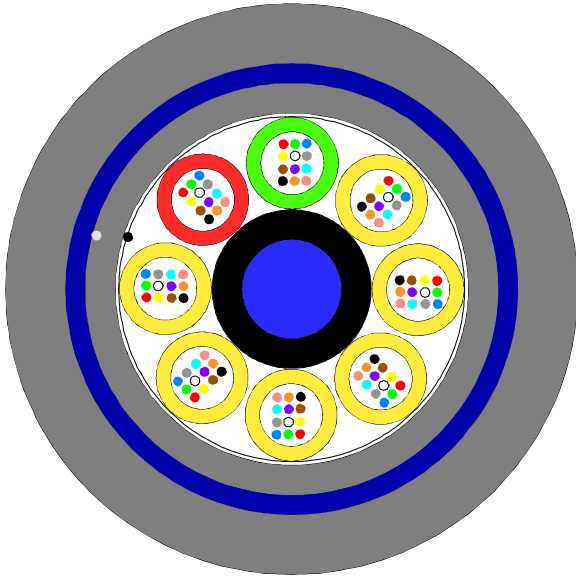


I09a: UC^{FIBRE™} Indoor stranded loose tube cable

Stranded loose tube cable with up to 96 fibres, inner FireRes[®] sheath, corrugated steel tape armouring, outer FireRes[®] sheath. VDE: J-DQ H (SR) H



Application and installation

Installation in tunnels and subways, 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

Flame resistance

LSHF-FR (FRNC): IEC 60332-1-2; IEC 60332-3-24; IEC 60754-1; IEC 60754-2; IEC 61034

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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			
Ripcord	1			
Inner sheath	Grey FireRes [®] , EN 50290-2-27			
Ripcord	1			
Armouring	0.155 mm corrugated steel tape			
Outer sheath	1.5 mm grey FireRes [®] , EN 20290-2-27			
Sheath marking	Draka UC ^{FIBRE} I ST D MA LSHF-FR 1.8 kN <Fibre count> <Fibre type><Fibre brand> <Item No>05<Batch Number><Meter mark> J-DQ H (SR) H <Number of Elements> x <Fibre count per element> <Fibre family> <Mode field diameter> /1.25 <Transmission Class>			

Options

As standard this cable is provided with 12 fibres per tube, as an option other lower fibre counts are possible

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Physical properties

Attribute	IEC 60794-1-2 Method	Limits	
Fibre count	-	72	96
Nominal diameter [mm]	-	14.5	14.5
Nominal weight [kg/km]	-	260	250
Short term tensile strength (some days) [N]	E1	1800 N	
Permanent tensile strength [N]	E1	1200 N	
Crush (compressive strength) [N/100 mm]	E3	3000N	
Impact [J]	E4	20 Nm	
Torsion	E6	30 reversed bends; R = 300 mm	
Kink	E7	5 cycles ±1 turn	
Fibre count	E10	The cable do not form a kink when a loop is drawn together to a diameter 12 times the cable nominal diameter	
Minimum bending radius [mm]	E11	290	290
Temperature range	F1	Storage: -60 °C to 60 °C Installation: -30 °C to 60 °C Operation -60 °C to 70 °C *)	
Water penetration	F5B	No water on free end (core only)	

*) 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.

Product codes – ordering information

Prysmian group material code	Prysmian Group material description	Draka Material code	Fibre count	Fibre type	Fibre data sheet

[PRODUCT CODE TABLE]