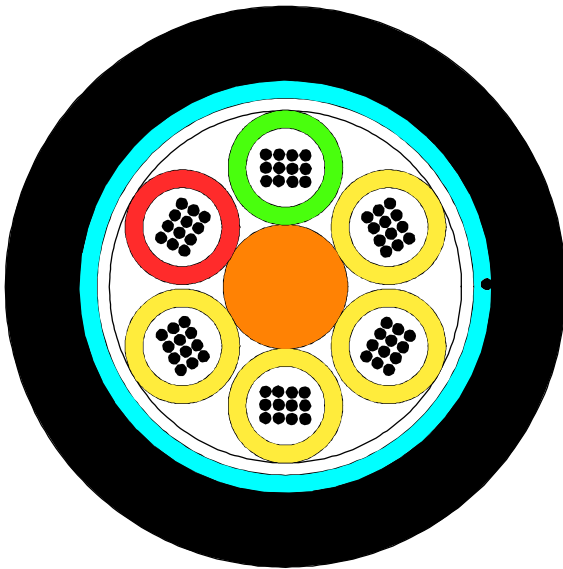


H08a: UC^{FIBRE™} Outdoor stranded loose tube cable

5000N Stranded loose tube cable with up to 264 fibres, glass yarn reinforcement and black PE Sheath. VDE: A-DQ(ZN)B 2Y



Application and installation

Outdoor cable for LAN, MAN and telecom backbones
Directly installation in the ground
High tensile strength

Standards

EN 187 000, IEC 60794-3, IEC 60794-3-10, IEC 60794-3-12, ISO 11801 2nd edition, EN 50 173-1

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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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 12 fibres each, up to 18 tubes in two layers, for lay-up refer to B04	
Water blocking	The core is water blocked using swellable tape and yarn	
Wrapping	Swellable tape	
Reinforcement	Heavy layer of glass fibre yarns as reinforcement and rodent protection, effective in most cases.	
Ripcord	Polyester ripcord for easy slitting the sheath	
Sheath	1.5 mm black MDPE, IEC 60811, IEC 60708	
Sheath marking	Draka UC ^{FIBRE} O ST D DA PE 5.0 kN <Fibre count> <Fibre type><Fibre brand> <Item No>05<Batch Number><Meter mark> A-DQ(ZN)B2Y <Number of Elements> x <Fibre count per element><Fibre family> <Mode field diameter> /125 <Transmission Class>	

Physical properties

Attribute	IEC 60794-1-2 Method	Limits						
Fibre count	-	72	96	120	144	168	216	264
Nominal diameter [mm]	-	11	13	14	16		16	
Nominal weight [kg/km]	-	105	140	170	205		195	
Short term tensile strength (some days) [N]	E1	5000						
Permanent tensile strength [N]	E1	3500						
Crush (compressive strength) [N/100 mm]	E3	3000						
Impact [J]	E4	20						
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						
Minimum bending radius [mm]	E11	150	175	190	220		220	
Temperature range	F1	Operation *) and Installation -40 °C to 70 °C Storage -40 °C to 70 °C						
Water penetration	F5	No water on free end						

*) The cable can bear temperature cycling between -40 °C to 70 °C. The cable will operate without any attenuation variation (<0.05 dB) in the temperature range -30 °C to 60 °C. The cable will operate with a maximum attenuation variation of ±0.1 dB/km in the interval -40 °C to 70 °C

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Product codes – ordering information

Prysmian group material code	Prysmian Group material description	Draka Material code	Fibre count	Fibre type	Fibre data sheet
60019420	UCFIBRE™ O ST D DA PE 5.0 kN 24 OM2B	1021816	24 (2 x 12)	MaxCap-BB-OM2	C34
60025733	UCFIBRE™ O ST D DA PE 5.0 kN 60 OM3B		60 (5 x 12)	MaxCap-BB-OM3	C31
60020612	UCFIBRE™ O ST D DA PE 5.0 kN 24 OM4B	1029265	24 (2 x 12)	MacCap-BB-OM4	C32
60025735	UCFIBRE™ O ST D DA PE 5.0 kN 60 OM4B		60 (5 x 12)	MacCap-BB-OM4	C32
60027623	UCFIBRE™ O ST D DA PE 5.0 kN 96 OM4B		96 (8 x 12)	MacCap-BB-OM4	C32
	UCFIBRE™ O ST D DA PE 5.0 kN 8 MM61	1018519	8 (1 x 8)	OM1 62.5/125 multi mode	C02
60028701	UCFIBRE™ O ST D DA PE 5.kN 60 MM61		60 (5 x12)	OM1 62.5/125 multi mode	C02
60020047	UCFIBRE™ O ST D DA PE 5.0 kN 8 SM2D		8 (1 x 8)	OS2 Single mode	C06e
60019603	UCFIBRE™ O ST D DA PE 5.0 kN 12 SM2D		12 (1 x 12)	OS2 Single mode	C06e
60018825	UCFIBRE™ O ST D DA PE 5.0 kN 24 SM2D	1017463	24 (2 x 12)	OS2 Single mode	C06e
60024937	UCFIBRE™ O ST D DA PE 5.0 kN 24 SM2D		24 (6 x 4)	OS2 Single mode	C06e
	UCFIBRE™ O ST D DA PE 5.0 kN 36 SM2D	1017215	36 (6 x 6)	OS2 Single mode	C06e
60011310	UCFIBRE™ O ST D DA PE 5.0 kN 48 SM2D	1017464	48 (4 x 12)	OS2 Single mode	C06e
60019579	UCFIBRE™ O ST D DA PE 5.0 kN 72 SM2D	1022652	72 (6 x12)	OS2 Single mode	C06e
60019153	UCFIBRE™ O ST D DA PE 5.0 kN 96 SM2D	1020190	96 (8 x 12)	OS2 Single mode	C06e
60019589	UCFIBRE™ O ST D DA PE 5.0 kN 144 SM2D		144 (12 x 12)	OS2 Single mode	C06e

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