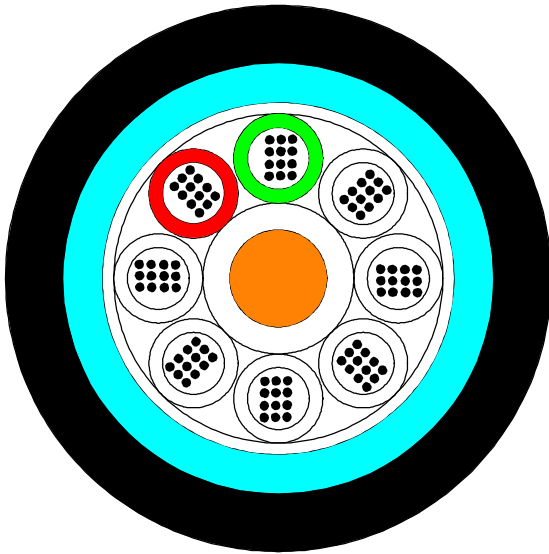


H07a: UC^{FIBRE™} Stranded outdoor loose tube cable

6000N Stranded loose tube cable with up to 264 fibres, glass yarn reinforcement and black PE Sheath. VDE: A-DQ(ZN)B2Y



Application and installation

Outdoor cable for LAN, MAN and telcom backbones
Directly installation in the ground
Rodent protection, effective in many cases

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 22 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 6.0 kN <Fibre count> <Fibre type><Fibre brand> <Item No>05<Batch Number><Meter mark> A-DQ(ZN)B2Y <Number of Elements> x <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>	

Physical properties

Attribute	IEC 60794-1-2 Method	Limits						
		72	96	120	144	168	216	264
Fibre count		72	96	120	144	168	216	264
Nominal diameter [mm]		13	14.5	16.0	17.5	19.0	18.0	19.5
Nominal weight [kg/km]		140	170	220	260	300	270	240
Short term tensile strength (some days) [N]	E1	6000						
Permanent tensile strength [N]	E1	4200						
Crush (compressive strength) [N/100 mm]	E3	3000						
Impact [J]	E4	25						
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	210	230	220	240
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
60020263	UCFIBRE O ST D DA PE 6.0kN 12 SM2D	1027427	12 (1 x 12)	OS2 Single mode	C06e
60018795	UCFIBRE O ST D DA PE 6.0kN 24 SM2D	1017193	24 (2 x 12)	OS2 Single mode	C06e
	UCFIBRE O ST D DA PE 6.0kN 36 SM2D	1017462	36 (6 x 6)	OS2 Single mode	C06e
60018796	UCFIBRE O ST D DA PE 6.0kN 48 SM2D	1017194	48 (4 x 12)	OS2 Single mode	C06e
60018846	UCFIBRE O ST D DA PE 6.0kN 192 SM2D	1017715	192 (16 x 12)	OS2 Single mode	C06e

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