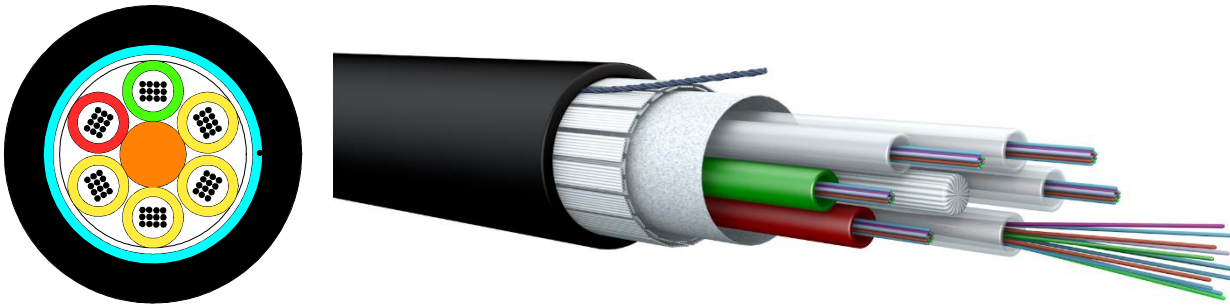


# H08a: UC<sup>FIBRE™</sup> Outdoor Stranded Loose Tube Cable

**5000N, stranded loose tube cable with up to 288 fibres, glass yarn reinforcement and black PE Sheath. VDE: A-DQ(ZN)B2Y**



## Application and installation

Outdoor cable for LAN, MAN and telecom backbones

Direct installation in the ground, suitable for trenchless installations using ploughing method

High tensile strength

## Standards

EN 187 000, IEC 60794-3, IEC 60794-3-10, IEC 60794-3-12, ISO 11801-1, EN 50173-1

## 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	For ≤ 144 fibres, ø2.3 mm gel-filled loose tubes, with 12 fibres each For > 144 fibres, ø2.8 mm gel-filled loose tubes, with 24 fibres each 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 <sup>FIBRE</sup> O ST PE 5.0 kN <Fibre count> <Fibre type><Fibre brand> <Item No><Factory Code><Batch Number><Meter mark> A-DQ(ZN)B2Y <Number of Elements> x <Fibre count per element><Fibre family> <Mode field diameter> /125 <Transmission Class>	

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## Physical properties

Attribute	IEC 60794-1-21/22 Method	Limits							
Fibre count	-	12	24	48	72	96	144	192	288
Fibre Distribution	-	1x12f	2x12f	4x12f	6x12f	8x12f	12x12f	8x24f	24x12f
Nominal diameter [mm]	-	11.2	11.2	11.2	11.2	12.8	15.6	14.8	18.5
Nominal weight [kg/km]	-	100	96	98	100	128	195	220	250
Short term tensile str. (dynamic) [N]	-	5000 (fibre strain ≤ 0.6%)							
Permanent tensile str. (permanent) [N]	E1	1800 (fibre strain ≤ 0.2%)							
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 - permanent (unloaded) [mm]	E11	112	112	112	112	128	156	148	185
Minimum bending radius - installation (loaded) - [mm]	-	224	224	224	224	256	312	296	370
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

## Product codes – ordering information

Product code	Product description	Fibre count	Fibre type	Fibre data sheet
60019420	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 2x12 OM2B	24	MaxCap-BB-OM2	C34
60011446	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 4x12 OM2B	48	MaxCap-BB-OM2	C34
60020368	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 5x12 OM2B	60	MaxCap-BB-OM2	C34
60019421	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 8x12 OM2B	96	MaxCap-BB-OM2	C34
60019422	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 10x12 OM2B	120	MaxCap-BB-OM2	C34
60085179	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 2x12 OM3B	24	MaxCap-BB-OM3	C31
60025733	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 5x12 OM3B	60	MaxCap-BB-OM3	C31
60020612	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 2x12 OM4B	24	MaxCap-BB-OM4	C32
60019693	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 4x12 OM4B	48	MaxCap-BB-OM4	C32
60025735	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 5x12 OM4B	60	MaxCap-BB-OM4	C32
60027623	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 8x12 OM4B	96	MaxCap-BB-OM4	C32
60043427	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 1x6 MM61	6	OM1 62.5/125	C02
60018877	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 1x8 MM61	8	OM1 62.5/125	C02
60047001	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 2x12 MM61	24	OM1 62.5/125	C02
60028701	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 5x12 MM61	60	OM1 62.5/125	C02
60020047	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 1x8 SM2D/A1	8	OS2 BendBright G.657.A1	C17
60019603	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 1x12 SM2D/A1	12	OS2 BendBright G.657.A1	C17

# H08a: UC<sup>FIBRE™</sup> Outdoor Stranded Loose Tube Cable

60037560	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 2x8 SM2D/A1	16	OS2 BendBright G.657.A1	C17
60086739	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 3x6 SM2D/A1	18	OS2 BendBright G.657.A1	C17
60039345	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 4x6 SM2D/A1	24	OS2 BendBright G.657.A1	C17
60018825	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 2x12 SM2D/A1	24	OS2 BendBright G.657.A1	C17
60018800	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 6x6 SM2D/A1	36	OS2 BendBright G.657.A1	C17
60011310	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 4x12 SM2D/A1	48	OS2 BendBright G.657.A1	C17
60019696	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 5x12 SM2D/A1	60	OS2 BendBright G.657.A1	C17
60019579	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 6x12 SM2D/A1	72	OS2 BendBright G.657.A1	C17
60019153	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 8x12 SM2D/A1	96	OS2 BendBright G.657.A1	C17
60019589	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 12x12 SM2D/A1	144	OS2 BendBright G.657.A1	C17
60083893	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 12x24 SM2D/A1	288	OS2 BendBright G.657.A1	C17
60025003	UCFIBRE™ O ST PE 5.0 kN 4SM2D/A1 4OM2B	8	Hybrid OS2 G.657.A1 + MaxCap-BB-OM2	C17 + C34
60026333	UCFIBRE™ O ST PE 5.0 kN 4SM2D/A1 4OM2B	8	Hybrid OS2 G.657.A1 + MaxCap-BB-OM2	C17 + C34
60028440	UCFIBRE™ O ST PE 5.0 kN 1x8 SM2D/A1 1x4 MM61	12	Hybrid OS2 G.657.A1 + OM1 62.5/125	C17 + C02
60028423	UCFIBRE™ O ST PE 5.0 kN 1x12 SM2D/A1 1x12 MM61	24	Hybrid OS2 G.657.A1 + OM1 62.5/125	C17 + C02
60020251	UCFIBRE™ O ST PE 5.0 kN 1x12 SM2D/A1 1x12 OM2B	24	Hybrid OS2 G.657.A1 + MaxCap-BB-OM2	C17 + C34
60019690	UCFIBRE™ O ST PE 5.0 kN 1x12 SM2D/A1 1x12 OM3B	24	Hybrid OS2 G.657.A1 + MaxCap-BB-OM3	C17 + C31
60020365	UCFIBRE™ O ST PE 5.0 kN 2x12 SM2D/A1 1x12 OM2B	36	Hybrid OS2 G.657.A1 + MaxCap-BB-OM2	C17 + C34
60020463	UCFIBRE™ O ST PE 5.0 kN 2x12 SM2D/A1 2x12 OM3B	48	Hybrid OS2 G.657.A1 + MaxCap-BB-OM3	C17 + C31
60080589	UCFIBRE™ O ST PE 5.0 kN 3x12 SM2D/A1 1x12 OM3B	48	Hybrid OS2 G.657.A1 + MaxCap-BB-OM3	C17 + C31
60080586	UCFIBRE™ O ST PE 5.0 kN 4x12 SM2D/A1 1x12 OM3B	60	Hybrid OS2 G.657.A1 + MaxCap-BB-OM3	C17 + C31
60024964	UCFIBRE™ O ST PE 5.0 kN 2x12 SM2D/A1 4x12 MM61	72	Hybrid OS2 G.657.A1 + OM1 62.5/125	C17 + C02
60031874	UC <sup>FIBRE™</sup> O ST PE 5.0 kN 4x12 SM2D/A1 4x12 OM2B	96	Hybrid OS2 G.657.A1 + MaxCap-BB-OM2	C17 + C34

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