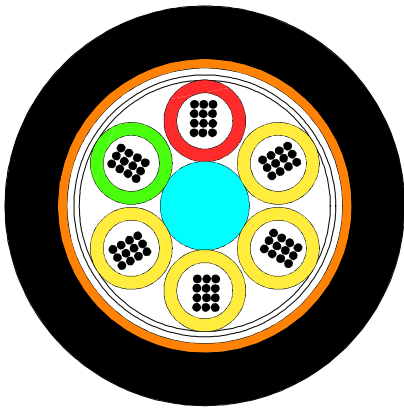


H09: UC^{FIBRE™} Outdoor Stranded Loose Tube Cable

2800 N, Stranded loose tube cable, up to 288 fibres, glass yarn reinforcement and PE sheath. VDE: A-DQ(ZN)B2Y



Application and Installation

Outdoor data and telecommunication trunk lines
Suited for duct installations
It has a degree of rodent protection

Standards

EN 187000, 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	ø2.3 mm gel-filled loose tubes Up to 12 fibres/tube for ≤ 144 fibres, 24 fibres/tube for > 144 fibres Up to 12 tubes in 1 layer, for lay-up refer to B04	
Wrapping	Polyester foil and swellable tape for water-blocking	
Reinforcement	Glass yarns	
Ripcord	Polyester	
Sheath	1.5 mm black MDPE IEC 60811, IEC 60708	
Sheath marking	Draka UC ^{FIBRE} O ST PE 2.8 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							
		12	24	48	72	96	144	192	288
Fibre count	-	12	24	48	72	96	144	192	288
Fibre Distribution		1x12f	2x12f	4x12f	6x12f	8x12f	12x12f	8x24f	12x24f
Nominal diameter [mm]	-	10.5	10.5	10.5	10.5	12.0	15.0	12.0	15.0
Nominal weight [kg/km]	-	85	86	88	90	115	180	180	230
Short term tensile strength (some days) [N]	E1	2800 ($\leq 0.5\%$ fibre strain)							
Permanent tensile strength [N]	E1	1600 ($\leq 0.25\%$ fibre strain)							
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] – short term	E11	105	105	105	105	120	150	120	150
Minimum bending radius [mm] – permanent		210	210	210	210	240	300	240	300
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 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

Product Code	Product Description	Fibre count	Fibre type	Fibre data sheet
UC ^{FIBRE} O ST PE 2.8 kN 1x12 OM3B		12	MaxCap-BB-OM3	C31
UC ^{FIBRE} O ST PE 2.8 kN 2x12 OM3B		24	MaxCap-BB-OM3	C31
UC ^{FIBRE} O ST PE 2.8 kN 4x12 OM3B		48	MaxCap-BB-OM3	C31
UC ^{FIBRE} O ST PE 2.8 kN 6x12 OM3B		72	MaxCap-BB-OM3	C31
UC ^{FIBRE} O ST PE 2.8 kN 8x12 OM3B		96	MaxCap-BB-OM3	C31
UC ^{FIBRE} O ST PE 2.8 kN 12x12 OM3B		144	MaxCap-BB-OM3	C31
UC ^{FIBRE} O ST PE 2.8 kN 12x24 OM3B		288	MaxCap-BB-OM3	C31
UC ^{FIBRE} O ST PE 2.8 kN 1x12 SM2D		12	OS2 – G.652.D	C06
UC ^{FIBRE} O ST PE 2.8 kN 2x12 SM2D		24	OS2 – G.652.D	C06
UC ^{FIBRE} O ST PE 2.8 kN 4x12 SM2D		48	OS2 – G.652.D	C06
UC ^{FIBRE} O ST PE 2.8 kN 6x12 SM2D		72	OS2 – G.652.D	C06
UC ^{FIBRE} O ST PE 2.8 kN 8x12 SM2D		96	OS2 – G.652.D	C06
UC ^{FIBRE} O ST PE 2.8 kN 12x12 SM2D		144	OS2 – G.652.D	C06
UC ^{FIBRE} O ST PE 2.8 kN 12x24 SM2D		288	OS2 – G.652.D	C06
UC ^{FIBRE} O ST PE 2.8 kN 1x12 SM7A1		12	OS2 – BendBright G.657.A1	C17
UC ^{FIBRE} O ST PE 2.8 kN 2x12 SM7A1		24	OS2 – BendBright G.657.A1	C17
UC ^{FIBRE} O ST PE 2.8 kN 4x12 SM7A1		48	OS2 – BendBright G.657.A1	C17
UC ^{FIBRE} O ST PE 2.8 kN 6x12 SM7A1		72	OS2 – BendBright G.657.A1	C17
UC ^{FIBRE} O ST PE 2.8 kN 8x12 SM7A1		96	OS2 – BendBright G.657.A1	C17
UC ^{FIBRE} O ST PE 2.8 kN 12x12 SM7A1		144	OS2 – BendBright G.657.A1	C17
UC ^{FIBRE} O ST PE 2.8 kN 12x24 SM7A1		288	OS2 – BendBright G.657.A1	C17

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