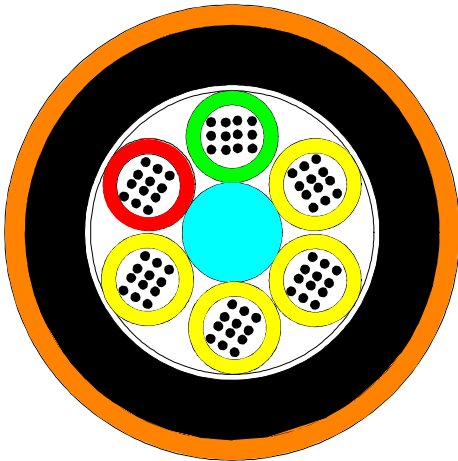


# G07c: UC<sup>FIBRE™</sup> Outdoor stranded loose tube cable

**Stranded loose tube cable with up to 192 fibres, black PE sheath and orange PA outer sheath. VDE A-DQ2Y4Y**



## Application and installation

This cable can be used for a wide range of outdoor applications among them: Outdoor data communication connections, telecom trunk lines, telecom access and distribution lines and CATV trunk lines.

The low friction coefficient of the PA surface gives greatly improved flooding distances during flooding of cables into ducts. In addition improved blowing distances are obtained. The hard surface of the PA 12 jacket gives the cable a degree of rodent protection and anti-termite features, effective in many cases. PA 12 is halogen free.

## 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 fibre counts are possible.

## 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

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Loose tube	ø2.3 mm jelly filled loose tubes, with 2 – 12 fibres each, up to 16 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
Ripcord	Polyester ripcord for easy slitting the sheath
Sheath	1.5 mm black MDPE, IEC 60811, IEC 60708
Outer sheath	0.5 mm orange PA, UV stabilised (black is also optional)
Sheath marking	Draka UC <sup>FIBRE</sup> O ST D DA PE PA 1.8 kN <Fibre count> <Fibre type> <Fibre brand> <Item No>05<Batch Number><Meter mark> A- DQ-2Y4Y <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							
		6	12	24	48	54	72	96	192
Fibre count		6	12	24	48	54	72	96	192
Nominal diameter [mm]		11,4						12,9	16,0
Nominal weight [kg/km]		93,5	93,7	94,7	96,6	97,4	98,6	125,8	189,5
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	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							
Min. permanent bending radius (unloaded)	E11	171						194	240
Min. installation bending radius (loaded)	-	285						323	400
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	Fibre count	Fibre type	Fibre data sheet
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 1x6 SM2D		6	OS2 Singlemode G652.D	C06
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 1x12 SM2D		12	OS2 Singlemode G652.D	C06
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 2x12 SM2D		24	OS2 Singlemode G652.D	C06
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 4x12 SM2D		48	OS2 Singlemode G652.D	C06
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 6x12 SM2D		72	OS2 Singlemode G652.D	C06
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 8x12 SM2D		96	OS2 Singlemode G652.D	C06
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 16x12 SM2D		192	OS2 Singlemode G652.D	C06
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 1x6 SM7A1		6	BendBright G.657.A1	C17
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 1x12 SM7A1		12	BendBright G.657.A1	C17
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 2x12 SM7A1		24	BendBright G.657.A1	C17
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 4x12 SM7A1		48	BendBright G.657.A1	C17
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 6x12 SM7A1		72	BendBright G.657.A1	C17
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 8x12 SM7A1		96	BendBright G.657.A1	C17
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 16x12 SM7A1		192	BendBright G.657.A1	C17
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 1x6 OM3B		6	MaxCap-BB-OM3	C31
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 1x12 OM3B		12	MaxCap-BB-OM3	C31
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 2x12 OM3B		24	MaxCap-BB-OM3	C31
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 4x12 OM3B		48	MaxCap-BB-OM3	C31
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 6x12 OM3B		72	MaxCap-BB-OM3	C31
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 8x12 OM3B		96	MaxCap-BB-OM3	C31
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 16x12 OM3B		192	MaxCap-BB-OM3	C31
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 1x6 OM4B		6	MaxCap-BB-OM4	C32
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 1x12 OM4B		12	MaxCap-BB-OM4	C32
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 2x12 OM4B		24	MaxCap-BB-OM4	C32
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 4x12 OM4B		48	MaxCap-BB-OM4	C32
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 6x12 OM4B		72	MaxCap-BB-OM4	C32
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 8x12 OM4B		96	MaxCap-BB-OM4	C32
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 16x12 OM4B		192	MaxCap-BB-OM4	C32
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 1x6 OM5B		6	WideCap-OM5	C39
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 1x12 OM5B		12	WideCap-OM5	C39
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 2x12 OM5B		24	WideCap-OM5	C39
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 4x12 OM5B		48	WideCap-OM5	C39
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 6x12 OM5B		72	WideCap-OM5	C39
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 8x12 OM5B		96	WideCap-OM5	C39
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 16x12 OM5B		192	WideCap-OM5	C39
UC <sup>FIBRE</sup> O ST PE PA 1.8 kN 4x12 SM2D 1x6 OM3B		54	OS2 Singlemode G652.D MaxCap-BB-OM3	C06 C31

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