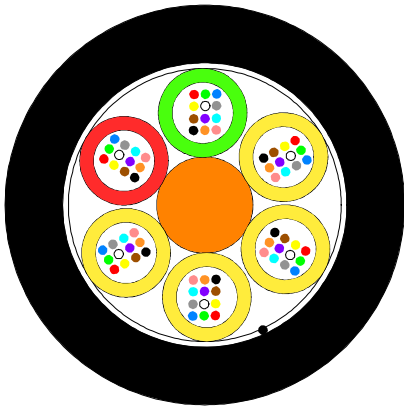


# F07a: UC<sup>FIBRE™</sup> Outdoor stranded loose tube cable

Stranded loose tube cable with up to 264 fibres and black PE sheath, VDE: A-DQ 2Y



## Application and installation

LAN, WAN backbones, Installation in ducts.

## Standards

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

## 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 jelly filled loose tubes, with 2 – 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			
Ripcord	Polyester ripcord for easy slitting the sheath			
Sheath	1.5 mm black MDPE, IEC 60811, IEC 60708			
Sheath marking	Draka UCFIBRE O ST D PE 1.8 kN <Fibre count> <Fibre type><Fibre brand> <Item No>05<Batch Number><Meter mark> A-DQ 2Y <Number of Elements> x <Fibre count per element> <Fibre family> <Mode field diameter> /125 <Transmission Class>			

# F07a: UC<sup>FIBRE™</sup> Outdoor stranded loose tube cable

## Options

As standard this cable is provided with 12 fibres per tube, as an option other lower fibre counts are possible

## Physical properties

IEC 60794-1-2

Attribute	IEC 60794-1-2 Method	Limits						
		12 - 72	84 - 96	108 - 120	132 - 144	156 - 168	180 - 216	228 - 264
Fibre count		12 - 72	84 - 96	108 - 120	132 - 144	156 - 168	180 - 216	228 - 264
Nominal diameter [mm]	-	10.5	12.0	13.5	15.0	16.5	15.5	17.0
Nominal weight [kg/km]	-	90	115	145	180	215	180	230
Short term tensile strength (some days) [N]	E1	1800						
18Permanent tensile strength [N]	E1	1200						
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	160	180	200	225	250	225	255
Temperature range	F1	Operation *) and Installation -40 °C to 70 °C Storage -40 °C to 70 °C						
Water penetration	F5	Pass						

\*) 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

Prysmian Group material code	Prysmian Group material description	Draka material code	Fibre count	Fibre type	Fibre data sheet
60019291	UC <sup>FIBRE™</sup> O ST D PE 1.8kN 12 SM2D		12	OS2 Single mode	C06
60032589	UC <sup>FIBRE™</sup> O ST D PE 1.8kN 24 SM2D		24	OS2 Single mode	C06
60019657	UC <sup>FIBRE™</sup> O ST D PE 1.8kN 48 SM2D		48	OS2 Single mode	C06
60019976	UC <sup>FIBRE™</sup> O ST D PE 1.8kN 72 SM2D		72	OS2 Single mode	C06
60019431	UC <sup>FIBRE™</sup> O ST D PE 1.8kN 144 SM2D		144	OS2 Single mode	C06

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