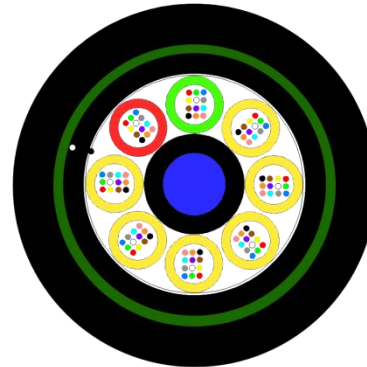
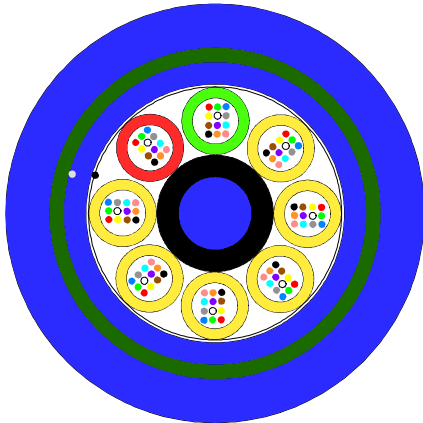


## I12: UC<sup>FIBRE™</sup> Universal Stranded Loose Tube Cable

Stranded loose tube cable with up to 288 fibres, inner FireBur<sup>®</sup> sheath, corrugated steel tape armour, outer FireBur<sup>®</sup> sheath.  
VDE: U-DQH(SR)H



Optional Black Sheath

E<sub>ca</sub>  
CPR

### Application and installation

Outdoor data communication connections  
CATV trunk lines  
Telecom trunk lines  
Telecom access net connections  
For direct burial and conditions with risk of severe rodent attacks

### Standards

IEC 60794-3, IEC 60794-3-10; IEC 60794-3-12; ISO 11801-1; EN 50 173-1

### Flame resistance

LSHF (FRNC): IEC 60332-1-2; IEC 60754-1; IEC 60754-2; IEC 61034, Class Eca

# I12: UC<sup>FIBRE™</sup> Universal Stranded Loose Tube Cable

## 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	
Water blocking	The core is water-blocked swell able tape and tread	
Wrapping	Polyester tape	
Ripcord	1	
Inner sheath	Blue (black optional) FireBur® EN 50290-2-27:2000	
Ripcord	1	
Armouring	0.155 mm corrugated steel tape	
Outer sheath	1.5 mm blue (black optional) FireBur® EN 50290-2-27:2000	
Sheath marking	Draka UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8 kN <Fibre count> <Fibre type><Item No><Factory code> <Batch Number><Meter mark>U-DQH(SR)H <Number of Elements> x <Fibre count per elements> <Fibre family> <Mode field diameter> /125 <Transmission Class>	

## Physical properties

Attribute	IEC 60794-1-21/22 Method	Limits					
		12	48	72	96	144	288
Fibre count		12	48	72	96	144	288
Fibre Distribution		1x12f	4x12f	6x12f	8x12f	12x12f	12x24f
Nominal diameter [mm]		14.5	14.5	14.5	14.5	19.5	19.5
Nominal weight [kg/km]	-	225	225	225	220	385	390
Short term tensile strength (some days) [N]	E1	1800 (fibre strain ≤ 0.5%)					
Permanent tensile strength [N]	E1	1200 (fibre strain ≤ 0.25%)					
Crush (compressive strength) [N/100 mm]	E3	3000N					
Impact [J]	E4	20 Nm					
Repeated Bending	E6	30 reversed bends; R = 300 mm					
Torsion	E7	5 cycles ±1 turn					
Kink	E10	The cable 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	220			290		
Temperature range	F1	Storage: -60 °C to 60 °C Installation: -30 °C to 60 °C Operation -60 °C to 70 °C *)					
Water penetration	F5B	No water on free end (core only)					

\*) In the interval -60 °C to 70 °C there is no attenuation variation (≤0.05 dB) for a single mode fibre, when tested according to the standard mentioned.

# I12: UC<sup>FIBRE</sup><sup>TM</sup> Universal Stranded Loose Tube Cable

## Product Codes

Product Code	DoP Number*	Product description	Fibre Count	Fibre Type	Fibre Data Sheet
60047741		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 1x12 OM2B	12	MaxCap-BB-OM2	C34
		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 1x12 OM3B	12	MaxCap-BB-OM3	C31
		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 4x12 OM3B	48	MaxCap-BB-OM3	C31
		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 6x12 OM3B	72	MaxCap-BB-OM3	C31
		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 1x12 OM4B	12	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 4x12 OM4B	48	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 6x12 OM4B	72	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 1x12 OM5B	12	WideCap-OM5	C39
		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 4x12 OM5B	48	WideCap-OM5	C39
		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 6x12 OM5B	72	WideCap-OM5	C39
60052975		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 1x6 SM2D	6	OS2 G.652.D	C06
60020729		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 1x8 SM2D	8	OS2 G.652.D	C06
60020077	1006190	UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 2x6 SM2D	12	OS2 G.652.D	C06
60029965		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 4x12 SM2D	48	OS2 G.652.D	C06
60020577		UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 6x12 SM2D	72	OS2 G.652.D	C06
60052035	1006192	UC <sup>FIBRE</sup> I/O ST CST LSHF 1.8kN 4x12 SM2D BK	48	OS2 G.652.D	C06

\*DoP Numbers are per product code and any DoP number proves CPR approval for the cable. DoP files can be downloaded from the website: [www.prysmiangroup.com/cpr](http://www.prysmiangroup.com/cpr)

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