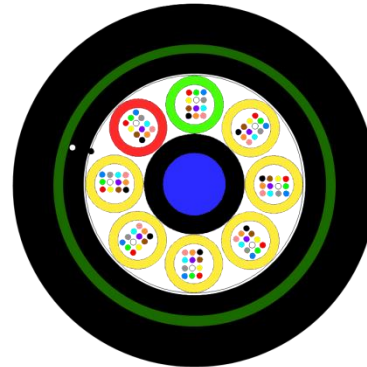
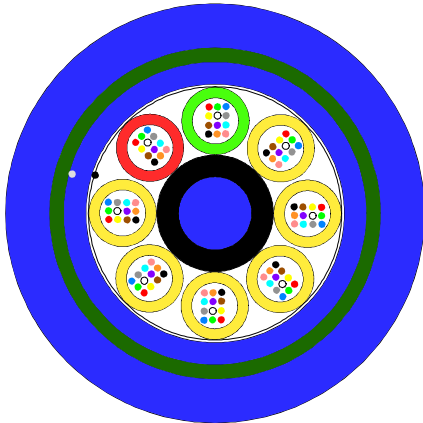


I12: UC^{FIBRE™} Universal Stranded Loose Tube Cable

Stranded loose tube cable with up to 216 fibres, inner FireBur[®] sheath, corrugated steel tape armouring, outer FireBur[®] sheath. VDE: U-DQ H (SR) H



Optional Black Sheath

E_{ca}
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 2nd edition; EN 50 173-1

Flame resistance

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

I12: UC^{FIBRE™} 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 with 12 fibres each.		
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 ^{FIBRE} I/O ST CST LSHF 1.8 kN <Fibre count> <Fibre type><Item No><Factory code><Batch Number><Meter mark>U-DQ H(SR)H <Number of Elements> x <Fibre count per elements> <Fibre family> <Mode field diameter> /125 <Transmission Class>		

Options

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

Physical properties

Attribute	IEC 60794-1-21/22 Method	Limits					
Fibre count	-	≤ 96				97 – to – 216	
Nominal diameter [mm]	-	14.5				19.5	
Fibre count	-	24	48	72	96	144	216
Nominal weight [kg/km]	-	225	225	225	220	385	365
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					
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^{FIBRE™} Universal Stranded Loose Tube Cable

Product Codes

Product Code	Product description	Fibre Count	Fibre Type	Fibre Data Sheet
60052978	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 2x6 MM61	12	OM1 multimode 62.5/125	C02
60038918	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 1x12 MM61	12	OM1 multimode 62.5/125	C02
60047741	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 1x12 OM2B	12	MaxCap-BB-OM2	C34
	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 1x12 OM3B	12	MaxCap-BB-OM3	C31
	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 4x12 OM3B	48	MaxCap-BB-OM3	C31
	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 6x12 OM3B	72	MaxCap-BB-OM3	C31
	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 1x12 OM4B	12	MaxCap-BB-OM4	C32
	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 4x12 OM4B	48	MaxCap-BB-OM4	C32
	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 6x12 OM4B	72	MaxCap-BB-OM4	C32
	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 1x12 OM5B	12	WideCap-OM5	C39
	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 4x12 OM5B	48	WideCap-OM5	C39
	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 6x12 OM5B	72	WideCap-OM5	C39
60052975	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 1x6 SM2D	6	OS2 G.652.D	C06
60020729	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 1x8 SM2D	8	OS2 G.652.D	C06
60020077	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 2x6 SM2D	12	OS2 G.652.D	C06
60029965	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 4x12 SM2D	48	OS2 G.652.D	C06
60020577	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 6x12 SM2D	72	OS2 G.652.D	C06
60052035	UC ^{FIBRE} I/O ST CST LSHF 1.8kN 4x12 SM2D BK	48	OS2 G.652.D	C06

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