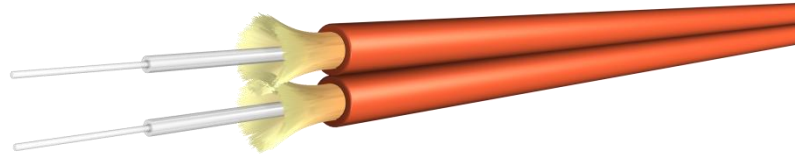
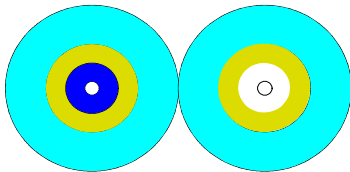


# D19a: UC<sup>FIBRE™</sup> semi tight cord 3.0 mm x 2

Assembly cable with 2 LS9 buffered fibres, aramid yarn, FireRes<sup>®</sup> sheath. VDE: J-V(ZN) H 2



## Application and installation

Patch cords and interconnect cables  
 This cable features Draka's LS9 dry semi tight buffer  
 For fitting to connectors with a boot diameter of  $\varnothing 3.0$  mm

## Standards

EN 187 000, IEC 60794-2, IEC 60794-2-10, ISO 11801-1, EN 50 173-1

## Flame resistance

LSHF-FR (FRNC): IEC 60332-1; IEC 60332-3-24; IEC 60754-2; IEC 61034; EN 50399 Class D<sub>ca</sub>s2d2a1, Class E<sub>ca</sub>

## Construction

Fibre	2 LS9 easily strippable semi tightly buffered fibres 900 $\mu\text{m} \pm 50 \mu\text{m}$	
Fibre colours	Fibre 1 Natural	
	Fibre 2 Blue	
Strength member	Ultra high modulus aramid yarns	
Sheath	Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
Sheath colours	Cable with Singlemode fibres	Yellow, RAL 1018
	Cable with MaxCap-BB-OM3 fibers	Aqua, RAL 6027
	Cable with MaxCap-BB-OM4 fibres	Erika-Violet, RAL 4003
	Cable with WideCap-OM5 fibres	Lime Green
Sheath marking	Draka UC <sup>FIBRE</sup> I T LSHF-FR Dca-s2-d2-a1 LS9 3.0 2<Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> J-V(ZN)H 2 <Fibre family> <Mode field diameter> /125 <Transmission Class> G <fibre count> <Mode field diameter>/125 AXAI-I/P-30	

# D19a: UC<sup>FIBRE</sup><sup>TM</sup> semi tight cord 3.0 mm x 2

## Physical properties

IEC 60794-1-21/22

Attribute	Method	Limits
Nominal dimensions	-	2.9 mm x 5.9 mm, in order to fit a boot of ø3.0 mm
Nominal weight	-	15 kg/km
Tensile strength (dynamic)	E1	600 N
Tensile strength (permanent)	E1	300 N
Compressive strength (crush)	E3	6000 N
Impact	E4	5 Nm; R = 12.5 mm
Torsion	E7	5 cycles ± 1 turn
Min. bending radius	E11	R = 20 mm
For version with BendBright <sup>XS</sup> fibre: Min. bending radius	E11	R = 7.5 mm R = 15 mm, 6 turns around a mandrel ø 30 mm (maximum attenuation increase ≤ 0.02 dB at 1550 nm). Maximum attenuation increase for R = 10 mm 0.1 dB/turn at 1550 nm. Maximum attenuation increase for R = 7.5 mm 0.5 dB/turn at 1550 nm.
Temperature range	F1	Operation and installation: -40°C to 70°C Storage: -40°C to 70°C
Heat of combustion	-	240 MJ/km 0.07 kWh/m

## Product codes – ordering information

Product code	DoP Number*	Product description	Fibre count	Fibre type	Fibre data sheet
60019549		UC <sup>FIBRE</sup> <sup>TM</sup> I T LSHF-FR LS9 3.0 2 OM2B	2	MaxCap-BB-OM2	C34
60019183	1007960	UC <sup>FIBRE</sup> <sup>TM</sup> I T LSHF-FR LS9 3.0 2 OM3B	2	MaxCap-BB-OM3	C31
		UC <sup>FIBRE</sup> <sup>TM</sup> I T LSHF-FR LS9 3.0 2 OM4B	2	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> <sup>TM</sup> I T LSHF-FR LS9 3.0 2 OM5B	2	WideCap-OM5	C39
60019180		UC <sup>FIBRE</sup> <sup>TM</sup> I T LSHF-FR LS9 3.0 2 SM2D.P	2	OS2 – G.652.D – tight geometry	C18e
		UC <sup>FIBRE</sup> <sup>TM</sup> I T LSHF-FR LS9 3.0 2 SM7A1.P	2	OS2 – BendBright <sup>XS</sup> G.657.A1 – tight geometry	C38
60019181		UC <sup>FIBRE</sup> <sup>TM</sup> I T LSHF-FR LS9 3.0 2 SM7B	2	OS2 – BendBright <sup>XS</sup> G.657.A2	C24
		UC <sup>FIBRE</sup> <sup>TM</sup> I T LSHF-FR LS9 3.0 2 SM7B.P	2	OS2 – BendBright <sup>XS</sup> G.657.A2 – tight geometry	C25

\*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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