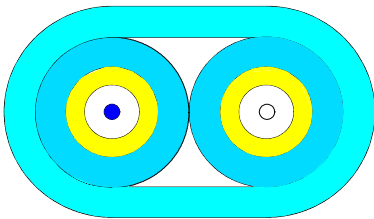


D21a: UC^{FIBRE™} Flat cable with ø2 mm units

Assembly cable with 2 LS9 semi tight fibres, aramid yarn, FireRes[®] sheath in flat = figure-0 design. VDE: J-V(ZN) HH 2



Application and Installation

Interconnect cabling

This cable features Draka's LS9 easy strippable tight buffer

Patch cord cable, very well suited for mounting small form factor connectors

Internal wiring

Standards

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

Flame resistance

LSHF-FR (FRNC): IEC 60332-1; IEC 60332-3-24; IEC 60754-2; IEC 61034

Construction

Fibre	2 LS9 semi tightly buffered fibres 900 µm ± 50 µm	
Fibre colours	Fibre 1 Natural	
	Fibre 2 Blue	
Strength member	Ultra high modulus aramid yarns	
Unit	Zipcord 2 x ø2.0 mm	
Unit sheath	Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
Sheath	Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
Unit and sheath colours	Cable with SM fibres	Yellow, RAL 1021
	Cable with MaxCap-BB-OM2 fibers	Orange, RAL 2003
	Cable with M6 fibres	Grey, RAL 7037
	Cable with MaxCap-BB-OM3 and MaxCap-BB-OM4 fibres	Aqua, RAL 6027
Sheath marking	Draka UCFIBRE I FL N LSHF-FR LS9 2.0 2 <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> J-V(ZN)HH 2 <Fibre family> <Mode field diameter> /125 <Transmission Class>	

D21a: UC^{FIBRE™} Flat cable with ø2 mm units

Physical properties

IEC 60794-1-2

Attribute	Method	Limits
Unit diameter	-	2.0 mm
Nominal dimensions	-	3 mm x 5 mm
Nominal weight	-	18 kg/km
Tensile strength (dynamic)	E1	240 N
Tensile strength (permanent)	E1	120 N
Compressive strength (crush)	E3	1000 N (max variation 0.5 dB) 600 N (max variation 0.05 dB)
Impact	E4	2 Nm; R = 12.5 mm
Torsion	E7	5 cycles ± 1 turn
Min. Bending radius	E11	R = 25 mm
For version with BendBright ^{XS} 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	-	320 MJ/km 0.09 kWh/m

Product codes – ordering information

Prysmian Group material code	Prysmian Group material description	Draka material code	Fibre count	Fibre type	Fibre data sheet
	UC ^{FIBRE™} I FL N LSHF-FR LS9 2.0 2 OM2B	1020383	2	OM2 MaxCap-BB-OM2	C34
60019185	UC ^{FIBRE™} I FL N LSHF-FR LS9 2.0 2 OM3B	1020384	2	OM3 MaxCap-BB-OM3	C31
	UC ^{FIBRE™} I FL N LSHF-FR LS9 2.0 2 OM4B		2	OM4 MaxCap-BB-OM4	C32
	UC ^{FIBRE™} I FL N LSHF-FR LS9 2.0 2 MM61		2	OM1 62.5/125 multi mode	C02
	UC ^{FIBRE™} I FL N LSHF-FR LS9 2.0 2 SM2D.P		2	OS2 Single mode	C18e
	UC ^{FIBRE™} I FL N LSHF-FR LS9 2.0 2 SM7B		2	BendBright ^{XS} G.657. A2	C24

© PRYSMIAN GROUP 2012, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.

D21a: UC^{FIBRE™} Flat cable with $\varnothing 2$ mm units
