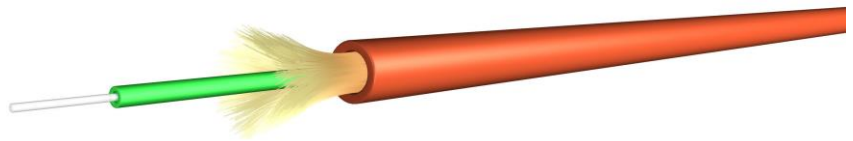
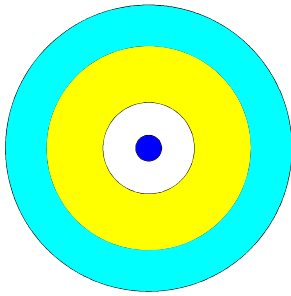


D42: UC^{FIBRE}™ Simplex ø3.0 mm Cable

Assembly cable with 1 ES9 buffered fibres, aramid yarn, FireRes® sheath. VDE: J-V(ZN)H 1



Application and installation

Interconnect cabling
 This cable features Draka ES9 easy strippable tight buffer
 LAN horizontal cabling
 Patch cord cable, very well suited for mounting of LC, SC connectors
 Short distance data-, control- and video transmission
 Internal wiring

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

Construction

Fibre	1 ES9 easily strippable tightly buffered fibres 900 µm ± 50 µm	
Fibre colour	Natural	
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 SM fibres	Yellow, RAL 1018
	Cable with MaxCap-BB-OM3	Aqua, RAL 6027
	Cable with MaxCap-BB-OM4	Erika-Violet, RAL 4003
	Cable with WideCap-OM5	Lime-Green
Sheath marking	Draka UC ^{FIBRE} I S LSHF-FR ES9 3.0 1<Fibre type><Fibre brand><Item No><factory code><Batch Number><Meter mark> J-V(ZN)H 1 <Fibre family> <Mode field diameter> /125	

D42: UC^{FIBRE}™ Simplex ø3.0 mm Cable

Physical properties

IEC 60794-1-21/22

Attribute	Method	Limits
Nominal dimensions	-	3.0 ± 0.1 mm
Nominal weight	-	10 kg/km
Tensile strength (dynamic)	E1	500 N (fibre strain ≤ 0.5%)
Tensile strength (permanent)	E1	250 N (fibre strain ≤ 0.25%)
Compressive strength (crush)	E3	3000 N
Impact	E4	1 Nm; R = 12.5 mm
Torsion	E7	5 cycles ± 1 turn
Min. Bending radius	E11	R = 20 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

Product codes – ordering information

Product code	Product description	Fibre count	Fibre type	Fibre data sheet
	UC ^{FIBRE} ™ I S LSHF-FR ES9 3.0 1 OM2B	1	MaxCap-BB-OM2	C34
	UC ^{FIBRE} ™ I S LSHF-FR ES9 3.0 1 OM3B	1	MaxCap-BB-OM3	C31
	UC ^{FIBRE} ™ I S LSHF-FR ES9 3.0 1 OM4B	1	MaxCap-BB-OM4	C32
	UC ^{FIBRE} ™ I S LSHF-FR ES9 3.0 1 OM5B	1	WideCap-OM5	C39
	UC ^{FIBRE} ™ I S LSHF-FR ES9 3.0 1 SM2D.P	1	OS2 G.652.D – tight geometry	C18e
	UC ^{FIBRE} ™ I S LSHF-FR ES9 3.0 1 SM7B	1	OS2 BendBright ^{XS} G.657. A2	C24

© PRYSMIAN GROUP 2018, 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.