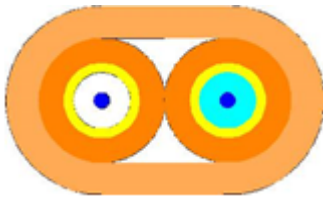


D40: UC^{FIBRE™} Duplex 2×1.6 mm

Assembly cable with 2 separate 1.6 mm units with ES6 buffered (break-out) fibres, aramid yarn, FireRes[®] sheath. VDE: J-V(ZN)H2



Application and installation

Interconnect cabling with 2 separate 1.6 mm units with 600 µm buffers.

This cable features Draka's ES6 easy strippable tight buffer.

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

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	2 ES6 easily strippable tightly buffered fibres 600 µm ± 50 µm	
Buffer colours	Buffer 1	White
	Buffer 2	Blue
Strength member	Ultra high modulus aramid yarns	
Unit Sheath	Ø1.6 mm LSZH flame retardant, UV stabilised sheathing material EN 50290-2-27	
Common sheath	0.3 mm LSZH flame retardant, UV stabilised sheathing material EN 50290-2-27	
Sheath colours	Cable with SM fibres	Yellow, RAL 1018
	Cable with MaxCap-BB-OM2 fibers	Orange, RAL 2009
	Cable with MaxCap-BB-OM3 fibres	Aqua, RAL 6027
	Cable with MaxCap-BendBright-OM4	Erika-Violet, RAL 4003
	Cable with BendBright WideCap-OM5	Lime Green
Sheath marking	Draka UC ^{FIBRE} I B LSHF-FR ES9 1.6 2<Fibre type><Fibre brand><Item No><factory code><Batch Number><Meter mark> J-V(ZN)H2 <Fibre family> <Mode field diameter> /125 <Transmission Class> G <fibre count> <Mode field diameter>/125	

D40: UC^{FIBRE™} Duplex 2×1.6 mm

Physical properties

IEC 60794-1-21/22

Attribute	Method	Limits
Nominal dimensions	-	2.2 × 3.8 mm
Nominal weight	-	18 kg/km
Tensile strength (dynamic)	E1	240 N
Tensile strength (permanent)	E1	120 N
Compressive strength (crush)	E3	600 N
Impact	E4	1 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

Product code	Product description	Fibre count	Fibre type	Fibre data sheet
	UC ^{FIBRE™} I B LSHF-FR ES6 1.6 2 OM3B	2	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} I B LSHF-FR ES6 1.6 2 OM4B	2	MaxCap-BB-OM4	C32
	UC ^{FIBRE™} I B LSHF-FR ES6 1.6 2 OM5B	2	WideCap-OM5	C39
	UC ^{FIBRE™} I B LSHF-FR ES6 1.6 2 SM2D.P	2	OS2 G.652.D	C18e
	UC ^{FIBRE™} I B LSHF-FR ES6 1.6 2 SM7B	2	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.