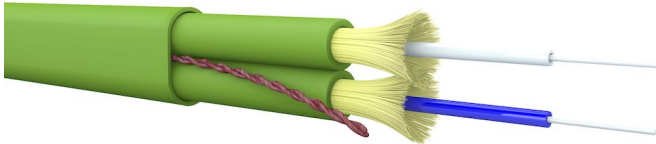


D10f: UC^{FIBRE} | FL LSHF-FR D_{ca} ES9 2.0

Assembly Zipcord, Fig.O, 2 units of 2.0 mm, aramid yarn, FireRes



Dca
CPR

GENERAL INFO

Patch cord fiber optic cable as fig.0 duplex for structured cabling with zipcord, features Draka's ES9 easy strippable tight buffer. It is very well suited for mounting small form factor connectors, for internal wiring and interconnect cabling.

More information on fiber optic cable applications: [read more](#)

Latest version of this data sheet is available for download: [ProductFamily238937](#)

CERTIFICATIONS AND DESIGN STANDARDS

ISO/IEC 11801
EN 50173
IEC 60794-1-1
IEC 60794-1-21
IEC 60794-1-22
EN 50575

Generic telecom cabling for customer premises
Information technology - Generic cabling systems
Generic Specification Fibre Optic Cables
Mechanical Test Methods
Environmental Test Procedures
Cables in construction works subject to reaction to fire

APPLICATION PROPERTIES

Resistant to UV

Operation temperature (min) [°C]*

-30 and (max) [°C] 60

Installation temperature (min) [°C]

-10 and (max) [°C] 60

Storage temperature (min) [°C]

-10 and (max) [°C] 60

Bending radius (rule)

During installation (loaded) = 20xOD, Permanent (unloaded) = 10xOD

CABLE CONSTRUCTION

Type of tube

Unit made of easily strippable tightly buffered ES9 fibres 900µm ± 50µm with aramid yarns and a LSZH sheath

Material outer sheath

Low smoke zero halogen, FireRes®

Cable shape

Flat

Cable marking example

Draka UC^{FIBRE} | FL LSHF-FR Dca-s2-d2-a1 ES9 2.0 2 'Fibre type' 'Fibre brand' 'Item No' 'factory code' 'Batch Number' 'Meter mark' J-V(ZN)HH 2 'Fibre family' 'Mode field diameter' /125 'Transmission Class'

IDENTIFICATION

Tight buffer colour code for Simplex	White
Tight buffer colour code for Duplex	White and Blue
<i>* Fibre is white or uncoloured.</i>	
Tube unit and sheath colour code	Cable with SM fibres: BendBrightXS G.657.A2, BendBright G.657.A1 Yellow, RAL 1018 Cable with mixed fibre types (hybrid) Blue, RAL 5015 Cable with OM1 Grey, RAL 7037 Cable with MaxCap-BendBright-OM2 Orange, RAL 2009 Cable with MaxCap-BendBright-OM3 Aqua, RAL 6027 Cable with MaxCap-BendBright-OM4 Erika-Violet, RAL 4003 Cable with BendBright WideCap-OM5 Lime-Green, RAL 6039

MECHANICAL PROPERTIES

Outer diameter	3 x 5 mm
Cable weight	18 kg/km
Fire load	352 MJ/km
Crush test	IEC 60794-1-21 E3 4,000 N/10cm
Torsion test *	IEC 60794-1-21 E7 5 cycles ±1turn
Impact test	IEC 60794-1-21 E4 2 N·m
Max. tensile strength during installation	IEC 60794-1-21 E1 240 N
Permanent tensile strength	120 N
Kink test	IEC 60794-1-21 E10 The cables do not form a kink when a loop is drawn together to a diameter 12 times the cable nominal diameter.

** Standard torsion test uses 39N weight for real installation approach.*

FIRE PROPERTIES

Flame retardant according to IEC 60332-1-2	Yes
Reaction-to-fire class (acc. EN 13501-6)	Dca
Smoke development class (acc. EN 13501-6)	s2
Euro class flaming droplets/particles (acc. EN 13501-6)	d2
Euro class acidity (acc. EN 13501-6)	a1

ORDERING DETAILS

Product name	Colour outer sheath	Number of fibres	Category (fibre)	Fibre datasheet	DOP number	SAP code
UCFIBRE I FL N DA LSHF-FR ES9 2.0 2 SM2D	Yellow	2	OS2	C24	1007221	60019328
UCFIBRE I FL LSHF-FR ES9 2.0 2 SM7B YL	Yellow	2	OS2	C24	1007230	60019446
UCFIBRE I FL LSHF-FR ES9 2.0 2 OM2B OR	Orange	2	OM2	C34	1007117	60011963
UCFIBRE I FL LSHF-FR ES9 2.0 2 OM3B AQ	Turquoise	2	OM3	C31	1006667	60019445
UCFIBRE I FL LSHF-FR ES9 2.0 2 OM4B RAL	Erika-violet	2	OM4	C32	1007133	60066957
UCFIBRE I FL LSHF-FR ES9 2.0 2 OM5B LI	Lime green	2	OM5	C39	1012611	60093044
UCFIBRE I FL LSHF-FR ES9 2.0 2 MM61 SL	Grey	2	OM1	C02	1007116	60011358

**DoP Numbers are per product code and any DoP number proves CPR approval for the cable. DoP files can be downloaded from the website: [DoP](#)*