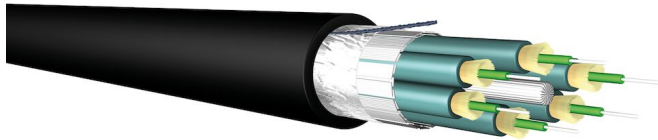


D22: UC^{FIBRE} I/O B LSHF LS9 2.7

Universal, break-out cable, 2.7mm units, 2-8f, LWB, FireBur sheath



Eca
CPR

GENERAL INFO

This cable features Draka's LS9 semi tight 900 µm buffer. This cable is intended for tough installation environments. This cable is built with individual heavy duty 2.7 mm break-out units, for easy and robust fitting of connectors. A ripcord makes it possible to remove relatively long parts of the sheath and individually route the 2-8 optical units as desired. The cable sheath is UV stabilised, metal free, with a degree of rodent protection, halogen free, and longitudinal water blocked. The cable has very high tensile strength and is suited for vertical installation and installation on cable trays. The cable can also be installed outdoors in ducts and even directly in the ground.

CERTIFICATIONS AND DESIGN STANDARDS

Eca
CPR

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

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

APPLICATION PROPERTIES

Resistant to UV	UV stabilised
Operation temperature (min) [°C]*	-20 and (max) [°C] 60
Installation temperature (min) [°C]	-20 and (max) [°C] 60
Storage temperature (min) [°C]	-30 and (max) [°C] 60
Bending radius (rule)	During installation (loaded) = 20xOD, Permanent (unloaded) = 10xOD

CABLE CONSTRUCTION

Buffer type	Break-out unit with a tight buffer 900µm fibre, aramid yarns and LSZH sheath in yellow
Type of tube	Tight, mm,
Rip cord	Yes
Material outer sheath	Low smoke zero halogen
Cable shape	Round
Cable marking example	

IDENTIFICATION

Fibre* buffers colour code	1 Red	13 Red w/mark every 70mm
<i>in accordance with IEC 60794-3 and VDE 0888 read more</i>	2 Green	14 Green w/mark every 70mm
<i>* White or uncoloured fibres used</i>	3 Blue	15 Blue w/mark every 70mm
	4 Yellow	16 Yellow w/mark every 70mm
	5 White	17 White w/mark every 70mm
	6 Grey	18 Grey w/mark every 70mm
	7 Brown	19 Brown w/mark every 70mm
	8 Violet	20 Violet w/mark every 70mm
	9 Turquoise	21 Turquoise w/mark every 70mm
	10 Black	22 White w/mark every 35mm
	11 Orange	23 Orange w/mark every 70mm
	12 Pink	24 Pink w/mark every 70mm

LSZH units, in the same colour as the outer sheath, marked with unit number.

Sheath color	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
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MECHANICAL PROPERTIES

Crush test	IEC 60794-1-21 E3	3,000 N/10cm
Impact test	IEC 60794-1-21 E4	20 N·m
Torsion test	IEC 60794-1-21 E7	5 cycles ±1turn
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.

FIRE PROPERTIES

Flame retardant	Yes
Halogen free	In accordance with EN/IEC 60754-2
The reaction to fire according to the EN 50575	Eca - Not applicable, Not applicable, Not applicable

CABLE DETAILS

Number of fibres	Number of fibres per tube	Nominal outer diameter [mm]	Min. bending radius, fixed [mm]	Min. permitted bending radius, during cable laying [mm]	Cable weight [kg/km]
2	1	11.9	119	238	119
4	1	11.9	119	238	122.5
6	1	11.9	119	238	125
8	1	13.7	137	274	167.3

ORDERING DETAILS

Product name	Colour outer sheath	Number of fibres	Category (fibre)	Fibre datasheet	SAP code
UCFIBRE I/O B LSHF LS9 2.7 2 SM7A1 BK	Black	2	OS2	C17	60019213
UCFIBRE I/O B LSHF LS9 2.7 4 SM7A1 BK	Black	4	OS2	C17	60019217
UCFIBRE I/O B LSHF LS9 2.7 6 SM7A1 BK	Black	6	OS2	C17	D22-6SM7A1
UCFIBRE I/O B LSHF LS9 2.7 8 SM7A1 BK	Black	8	OS2	C17	D22-8SM7A1
UCFIBRE I/O B LSHF LS9 2.7 2 OM2B BK	Black	2	OM2	C34	D22-2OM2
UCFIBRE I/O B LSHF LS9 2.7 4 OM2B BK	Black	4	OM2	C34	60019329
UCFIBRE I/O B LSHF LS9 2.7 6 OM2B BK	Black	6	OM2	C34	D22-6OM2
UCFIBRE I/O B LSHF LS9 2.7 8 OM2B BK	Black	8	OM2	C34	D22-8OM2
UCFIBRE I/O B LSHF LS9 2.7 2 OM3B BK	Black	2	OM3	C31	D22-2OM3
UCFIBRE I/O B LSHF LS9 2.7 4 OM3B BK	Black	4	OM3	C31	60019219
UCFIBRE I/O B LSHF LS9 2.7 6 OM3B BK	Black	6	OM3	C31	D22-6OM3
UCFIBRE I/O B LSHF LS9 2.7 8 OM3B BK	Black	8	OM3	C31	60071797
UCFIBRE I/O B LSHF LS9 2.7 2 MM6I BK	Black	2	OM1	C02	60019406

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