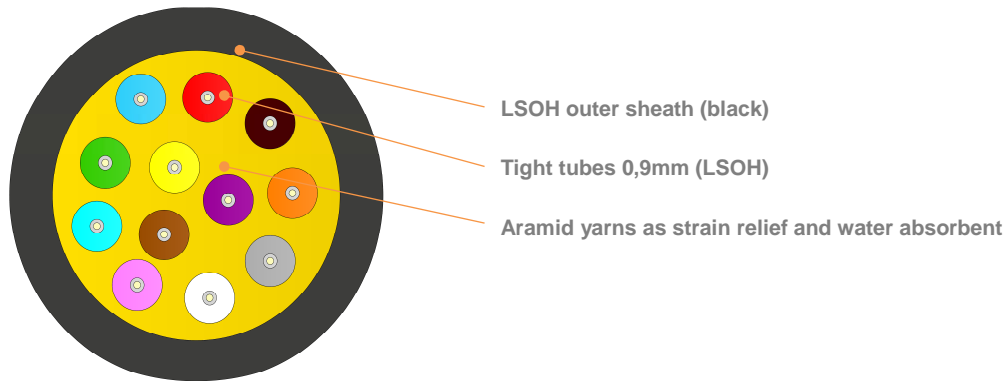


Type:	LDC-XL	REV: 0
Issued:	03/04/2018	AM
Modified:		
Status:	DRAFT	105-18

Indoor / outdoor cable up to 24 fibers with aramid strength members LDC-XL



\*schematic drawing, not to scale

**APPLICATION:**

Cable for indoor or outdoor installation  
For distribution networks in multifamily buildings  
For use in places with fire exposed  
FTTD Connections

**DESIGN:**

Tight buffers 0,9mm up to 24 pcs in cable  
Fully dielectric cable,  
Aramid yarns as tensile elements and water absorbent  
Flame retardant and UV resistance LSOH outer sheath

**CABLE DESIGN:**

Version	Tight buffers	Ø nominal (±5%)	Nominal weight (±10%)	Max short term tensile load	Max long term tensile load
	[pcs]	[mm]	[kg/km]	[N], ( $\Delta\epsilon_i=0,5\%$ )	[N], ( $\Delta\epsilon_i=0,2\%$ )
2F	2	5,1	28	1000	420
4F	4	5,3	31		
6F	6	5,7	35		
8F	8	5,9	39		
10F	10	6,3	43		
12F	12	6,7	47		
16F	16	7,1	54		
24F	24	8,1	67		

**TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS**

Crush performance	IEC 60794-1-21-E3, $\Delta\alpha\leq 0.1\text{dB}$	<b>500 N</b>
Bending performance	IEC 60794-1-21-E6, 15xD, 5 cycles, $\Delta\alpha\leq 0.05\text{dB}$	No damage
Water penetration	IEC 60794-1-22-F5 3m sample, 1m water head, 24h	No leakage
Temperature range Installation	IEC 60794-1-22-F1, $\Delta\alpha\leq 0.1\text{dB/km}$	-5... +55 [°C]
Operation		-10... +70 [°C]
Transport & Storage		-40... +70 [°C]

(\* All values for single-mode optical fibers, all optical parameters for wavelength 1550nm)

**OPTICAL FIBRES AND LOOSE TUBES COLOUR IDENTIFICATION**

For optical fibres and tubes identification information please see **DSH\_Colors\_CODE\_XXXX** document.

**FIBRES PARAMETERS**

For selected cabled optical fibres parameters please see **DSH\_OFFP** document.

**MARKING**

The following printing (using jet printer) is applied at 1-meter intervals.

- Supplier: FIBRAIN
- Standard Code (Product Type, Fiber Type, Fiber Count): Duct SM xx F
- Year of manufacture: xxxx
- Length marking in meters
- Cable ID/ Drum No

Example: FIBRAIN LDC-XL 12F SM G652D "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is  $\pm 0,5\%$ . Remarking is in accordance with Bellcore GR 20 and supersedes earlier markings. Occasional loss of marking is possible. Cables can be supplied with a range of single mode or multimode fibres and customized print.

**PACKING**

Cables will be shipped on disposable wooden or treated wooden drums. Both ends of the cable will be capped and accessible for testing. Rotation direction arrow will be marked on the drum together with identification information.

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### DELIVERY LENGTH

2000 – 8000 meters ± 5%, with possibility of supplying up to 5% of total contract quantity as short length cables which should be above 1000 meters long. Tolerance of 5 % of order quantity shall be allowed.

The information is believed to be correct at the time of issue. Fibrain reserves the right to change this specification without prior notice. This specification is not contractually valid unless specifically authorised by Fibrain. Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Terms of Sale of the selling Fibrain subsidiary.