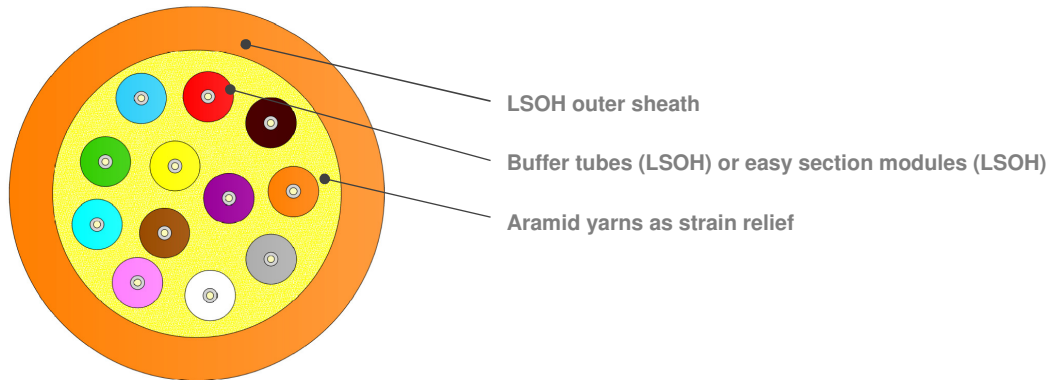


Indoor cable up to 24 fibers with aramid strength members LDC



*schematic drawing, not to scale

APPLICATION:

Cable for indoor installation

DESIGN:

Buffer tubes 1F 0,9mm in constructions up to 12 fibres
Easy section modules 2F 0,9mm in constructions with more than 12 fibres
Fully dielectric cable
Aramid yarns as tensile elements
Flame retardant LSOH outer sheath

CABLE DESIGN:

Version	Quantity [pcs]		Ø nominal (±5%)	Nominal weight (±10%)	Max short term tensile load	Max long term tensile load
	Buffer tubes [1F per buffer]	Easy section modules [2F per module]	[mm]	[kg/km]	[N], ($\Delta\epsilon_r=0,5\%$)	[N], ($\Delta\epsilon_r=0,2\%$)
2F	2		4,5	21	500	125
4F	4		5,0	26		
6F	6		5,5	30		
8F	8		6,0	35		
10F	10		6,5	40	700	175
12F	12		6,5	45		
16F		8	6,0	36	500	125
24F		12	6,5	46	700	175

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Crush performance	IEC 60794-1-21-E3, $\Delta\alpha\leq 0.05\text{dB}$	500 N	
Bending performance	IEC 60794-1-21-E6, 5 cycles, $\Delta\alpha\leq 0.05\text{dB}$	No damage	
Temperature range	IEC 60794-1-22-F1, $\Delta\alpha\leq 0.1\text{dB/km}$	Installation	-5... +55 [°C]
		Operation	0... +70 [°C]
Transport & Storage			-40... +70 [°C]

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

OPTICAL FIBRES AND BUFFER TUBES COLOUR IDENTIFICATION

For optical fibres and buffer tubes identification information please see **DSH_Colors_CODE_XXXX** document.

FIBRES PARAMETERS

For selected cabled optical fibres parameters please see **DSH_OFP** document.

MARKING

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

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

Example: FIBRAIN LDC 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.

Type:	LDC	REV: 1.8
Issued:	17/09/2014	SK
Modified:	22/01/2021	KP

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.

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.

This document and the statements contained in it are not intended for customers within the meaning of the Civil Code. The information submitted in this document is to our knowledge and belief true at the time of issue, however, we do not assume any liability whatsoever for its accuracy, and completeness. This document is for informational purposes on an "as is" basis only and Fibrain reserves the right to change its contents at any time without prior notice. The specification cannot, in any case, be considered an offer within the meaning of the Civil Code and is not contractually valid unless specifically authorized by Fibrain. Before using this product, its buyer and/or user has to make sure that it is suitable for the intended use. All liability issues related to this product are subjected to the seller's separate Terms of Sale or the terms and conditions agreed with the Fibrain representative or distributor.