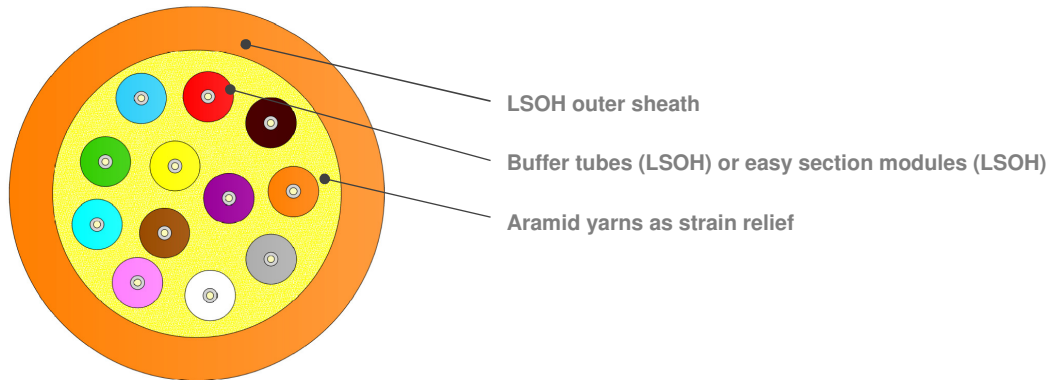


Indoor cable up to 24 fibers with aramid strength members LDC



*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] ($\Delta\epsilon_r \leq 0,5\%$)	[N] ($\Delta\epsilon_r \leq 0,2\%$)
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	Installation	-5... +55 [°C]	
		Operation	0... +70 [°C]
		Transport & Storage	-40... +70 [°C]
CPR class	EN 50575:2014+A1:2016	Version 4F	E _{CA}
		All version	F _{CA}

(*) 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"

Type:	LDC	REV: 1.9
Issued:	17/09/2014	SK
Modified:	20/12/2021	AM

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.

DELIVERY LENGTH

2000 – 8000 meters $\pm 5\%$, 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.

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