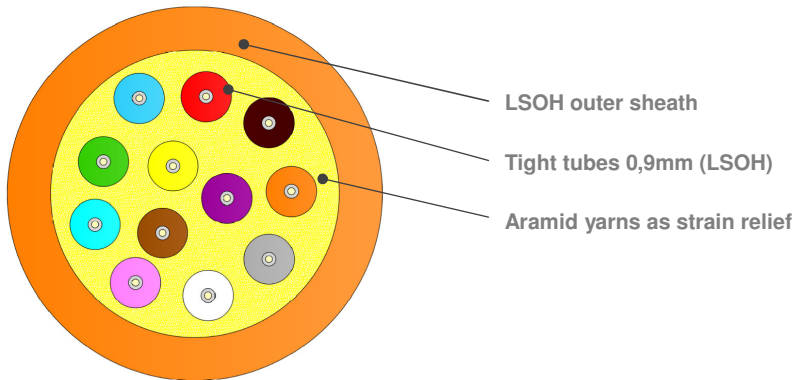


Type:	LDC	REV: 1.3
Issued:	17/09/2014	SK
Modified:	26/07/2017	PB

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



*schematic drawing, not to scale

APPLICATION:

Cable for indoor 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
Flame retardant 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], ($\Delta\epsilon_f=0,5\%$)	[N], ($\Delta\epsilon_f=0,2\%$)
2F	2	4,5	21	500	125
4F	4	5,0	26		
6F	6	5,5	30		
8F	8	5,5	32		
10F	10	6,5	40	700	175
12F	12	6,5	45		
16F	16	7,0	50		
24F	24	8,0	65		
				1000	250

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Crush performance	EN 187101, IEC 60794-1-2-E3, $\Delta\alpha\leq 0.05\text{dB}$	500 N
Bending performance	EN 187101, IEC 60794-1-2-E6, 5 cycles, $\Delta\alpha\leq 0.05\text{dB}$	No damage
Temperature range Installation	EN 187101, IEC 60794-1-2-F1, $\Delta\alpha\leq 0.05\text{dB/km}$	-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

Fibres and tubes identification information see **DSH_Colors_CODE_XXXX** document.

FIBRES PARAMETERS

Optical fibres parameters 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): Duct SM xx F
- 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.

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 \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.

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.