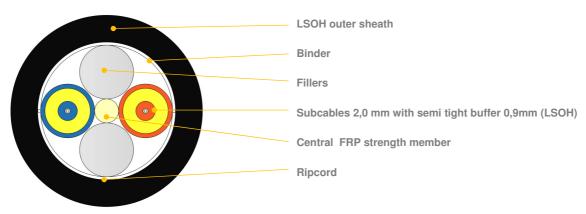


Туре:	LBR-20	REV: 1.3
Issued:	10/02/2016	PB
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Indoor / Outdoor Breakout Cable with 2,0mm Subcables - LBR



^{*}schematic, not in scale

APPLICATION:

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

STRUCTURE AND COMPOSITION:

Tight buffers 0,9μm up to 4 pcs in cable Fully dielectric cable, Aramid yarns as tensile elements Black LSOH outer jacket (increased UV resistance)

CONFIGURATION:

Version	Subcables	Ø nominal (±5%)	Nominal weight (±10%)	Max. tensile load (short term)	Max. tensile load (long term)
	[pcs]	[mm]	[kg/km]	[N]	[N]
2F	2	7,1	45	500	200
4F	4	7,1	47	800	400

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max allowed tension	IEC 60794-1-21-E1, Δα≤0,1dB, reversible	as provided in table above	
Max operating tension	IEC 60794-1-21-E1, Δα≤0,05dB	as provided in table above	
Crush performance	IEC 60794-1-21-E3, Δα reversible	1000 N / 100mm	
Bending performance	IEC 60794-1-21-E11, 15xD, 20N load	No damage	
Temperature range Installation		-5 +40 [℃]	
Operation	IEC 60794-1-22-F1, ∆α≤0,1dB/km	-5 +50 [℃]	
Transport & Storage		-25 +60 [℃]	

^(*) All values for single-mode optical fibres, all optical parameters for wave length @1550nm

OPTICAL FIBRES AND LOOSE TUBES COLOUR IDENTIFICATION

For optical fibres and modules identification information please see DSH_Colors_CODE_XXXX document.

FIBRES PARAMETERS

For selected post-production optical fibres parameters please see **DSH_OFP** document.

MARKING

The following print (inkjet) is applied at 1-meter intervals:

- Supplier: FIBRAIN
- Standard code (Product type, fibre type, fibre count)
- Year of manufacture: xxxx
- Length marking in meters
- · Cable ID / Drum No

Example: FIBRAIN LBR-20 2F SM G652D "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is ±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.



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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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