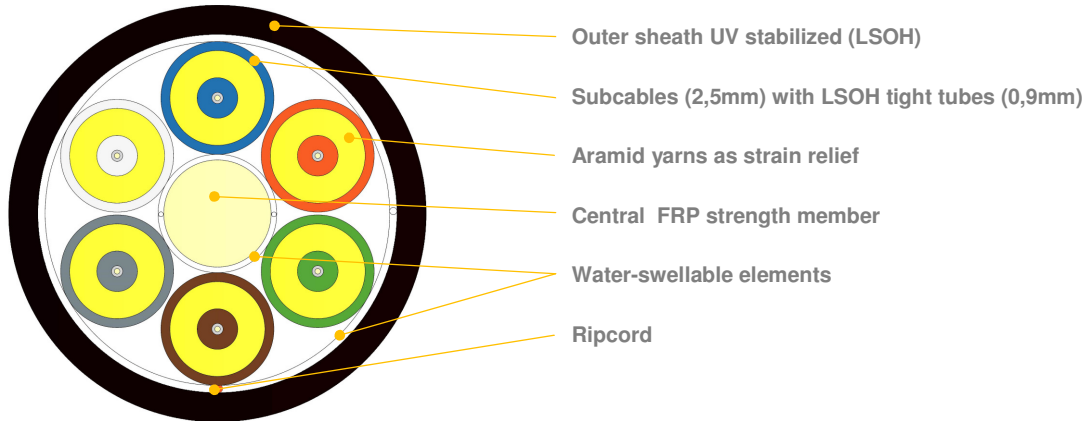


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## Breakout cable with 2,5 mm subcables LBR



\*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

### STRUCTURE AND COMPOSITION:

Buffers (0,9mm) inside subcables  
Fully dielectric cable,  
Aramid yarns as tensile elements  
UV stabilized and flame retardant LSOH outer sheath

### CABLE DESIGN:

Variant	Subcables	Ø nominal (±5%)	Nominal weight (±10%)	Max short term tensile load	Max long term tensile load
	[pcs]	[mm]	[kg/km]	[N]	[N]
6F	6	9,8	104	3000	1200

### TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Crush performance	IEC 60794-1-2-E3, $\Delta\alpha\leq 0,05$ dB	<b>2200 N/10cm</b>
Bending performance	IEC 60794-1-2-E11 15xD, $\Delta\alpha\leq 0,05$ dB	No damage
Temperature range	IEC 60794-1-2-F1, $\Delta\alpha\leq 0,05$ dB/km	-5... +55 [°C]
Installation		-20... +70 [°C]
Operation		-40... +70 [°C]
Transport & Storage		

(\* All values for single-mode optical fibres, all optical parameters for wave length @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

#### Cable marking

The following print (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 LBR S25 6F SM G652D "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

#### Subcables marking

The following print (using jet printer) is applied at about 10 cm intervals:

- Number of subcable
- Fiber Type

Example: 1-1-1 ~ G652D

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.

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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.

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.