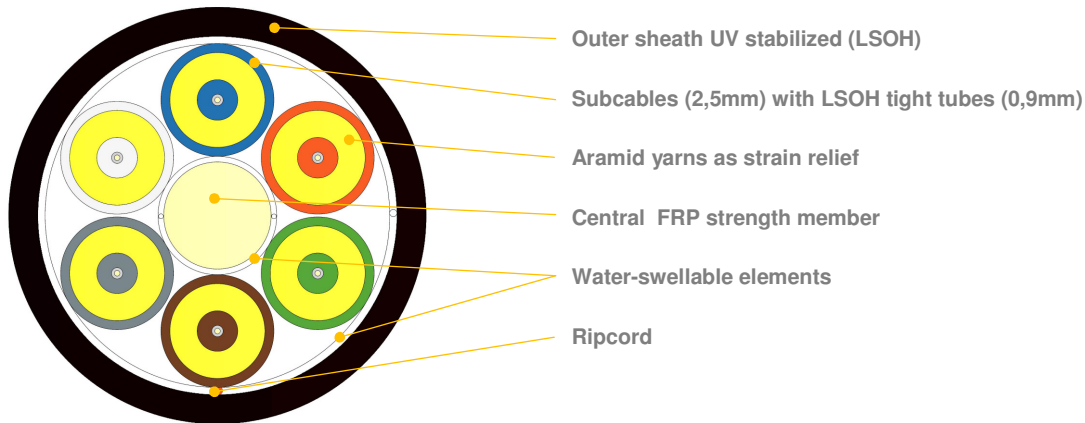


Breakout cable with 2,5 mm subcables LBR



*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 60794-1-21-E3, $\Delta\alpha \leq 0,05$ dB	2200 N/10cm
Bending performance	IEC 60794-1-21-E11 15xD, $\Delta\alpha \leq 0,05$ dB	No damage
Temperature range	Installation	-5... +55 [°C]
	Operation	-20... +70 [°C]
	Transport & Storage	-40... +70 [°C]
	IEC 60794-1-22-F1, $\Delta\alpha \leq 0,05$ dB/km	

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

OPTICAL FIBRE AND LOOSE TUBES COLOUR IDENTIFICATION

For optical fibres and loose tube identification information please see DSH_Colors_CODE_XXXX document.

FIBRE PARAMETERS

For selected post-production optical fibres parameters please 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

Type:	LBR-25	REV: 1.1
Issued:	14/10/2015	PB
Modified:	27/01/2021	AM

The accuracy of marking is $\pm 0,5\%$. Remarkings 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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