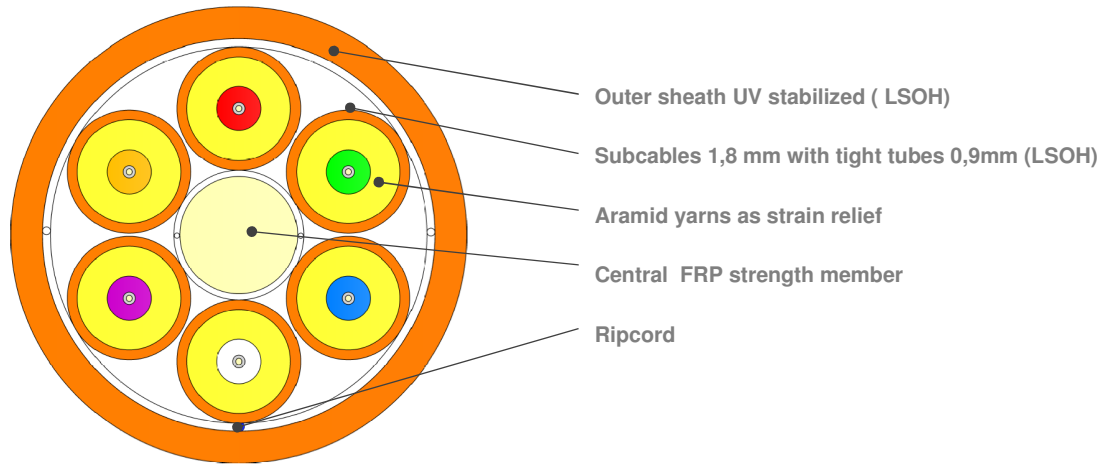


### Indoor / Outdoor Breakout Cable up to 24 fibers with Subcables LBR



\*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 900µm up to 24 pcs in cable  
Fully dielectric cable,  
Aramid yarns as tensile elements  
UV Resistant and flame retardant outer sheath LSOH

#### 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]
4F	4	6,5	48	750	250
6F	6	7,5	63	1200	400
8F	8	8,7	85	1500	500
12F	12	10,9	126	1500	500
16F	16	11,3	121	1700	550
18F	18	11,3	131	1700	550
24F	24	13,0	179	2000	660

#### TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Crush performance	IEC 60794-1-21-E3, $\Delta\alpha\leq 0,05$ dB	2000 N
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	IEC 60794-1-22-F1, $\Delta\alpha\leq 0,05$ dB/km	-40... +70 [°C]

(\*) All values for single-mode optical fibres, all optical parameters for wavelength 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

The following printing (inkjet) 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 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.

Type:	LBR cable	REV: 1.2
Issued:	13/10/2015	PB
Modified:	17/02/2021	KP

**PACKING**

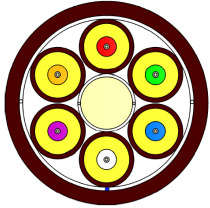
Cables will be shipped on disposable wooden or treated wooden drums. Both ends of the cable will be capped and accessible for testing. Rotation direction arrow will be marked on the drum together with identification information.

**DELIVERY LENGTH**

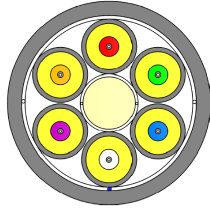
2000 – 8000 meters ± 5%, with possibility of supplying up to 5% of total contract quantity as short length cables which should be above 1000 meters long. Tolerance of 5 % of order quantity shall be allowed.

**STANDARD OUTER JACKET COLOUR :**

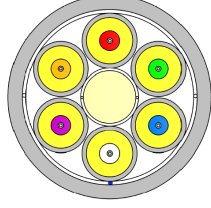
PE Black RAL9005



LSOH Grey RAL7022

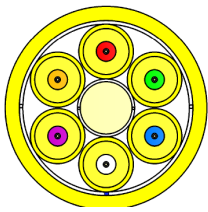


LSOH Light Grey RAL7037



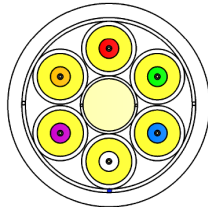
**OUTER JACKET COLOUR OPTIONS\*:**

SM G.652D



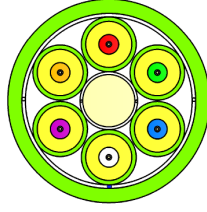
RAL 1021

SM G657A1, A2, A3



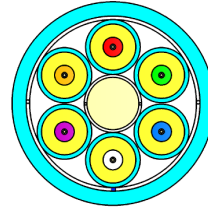
RAL 9010

MM 50/125 OM2



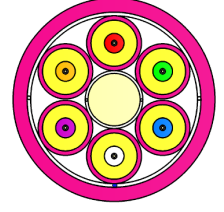
RAL2003

MM 50/125 OM3



RAL6027

MM 50/125 OM4



RAL 4003

\*On request.

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