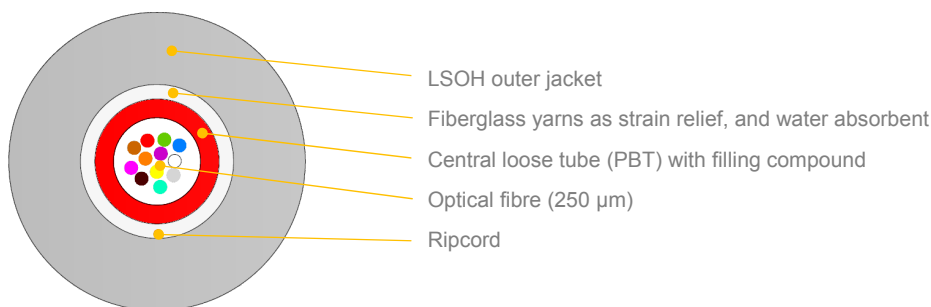


Universal Single Jacket LSOH Central Loose Tube Cable with Fiberglass Reinforcement



APPLICATION:

Fully dielectric cable
Basic rodent protection
LAN and FTTX networks
Distribution network
ODF connections

DESIGN:

Central loose tube (PBT) with filling compound
Optical fibres
Fiberglass as strain relief and water absorbent
LSOH outer jacket

CONFIGURATION:

Version	Quantity [pcs]		Ø nominal (±5%) [mm]	Nominal weight LSOH (±5%) [kg/km]
	Fibres	Fibres per tube		
1T x 2F	2	2	5,9	37
1T x 4F	4	4	5,9	37
1T x 6F	6	6	5,9	37
1T x 8F	8	8	5,9	37
1T x 12F	12	12	5,9	38
1T x 16F	16	16	5,9	38
1T x 18F	18	18	5,9	38
1T x 24F	24	24	5,9	40

*Other fibre counts available on demand

OPTICAL FIBRE AND LOOSE TUBES COLOUR IDENTIFICATION

Colours identification see DSH_Colors_CODE_XXXX

FIBRE PARAMETERS

The values of fibres parameters see DSH_OFP

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max tensile load short term	EN 187101, IEC 60794-1-2-E1, $\Delta\alpha \leq 0,05$ dB/km	1500 N ($\epsilon_f=0,33\%$) / 2200 N ($\epsilon_f=0,50\%$)
Max tensile load long term	EN 187101, IEC 60794-1-2-E1, $\Delta\alpha \leq 0,05$ dB/km	500 N
Crush performance	EN 187101, IEC 60794-1-2-E3, $\Delta\alpha \leq 0,05$ dB	1500 [N/10 cm]
Bending performance	EN 187101, IEC 60794-1-2-E11, $\Delta\alpha \leq 0,05$ dB	10 cycles (15x D)
Temperature range	Installation	-5... +55 [°C]
	Operation	-20... +70 [°C]
	Transport & Storage	-20... +70 [°C]

(*) values for single-mode fibres, all optical measurements performed at 1550nm

MARKING

The following print (jet printer) 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 EXO-G0 LSOH 12F SM G652D 1T12F "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.

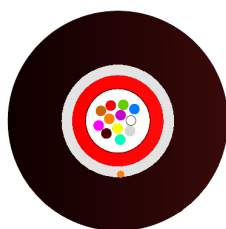
PACKAGING

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

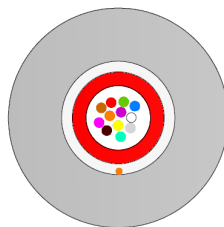
STANDARD OUTER JACKET COLOURS:



PE Black RAL 9005



LSOH Grey RAL 7022



LSOH Light Grey RAL 7037

OUTER JACKET COLOUR OPTIONS*:

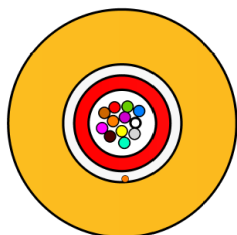
SM G.652D

SM G657A1, A2, A3

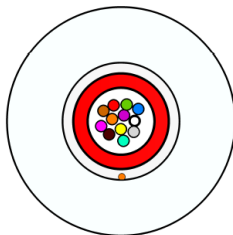
MM 50/125 OM2

MM 50/125 OM3

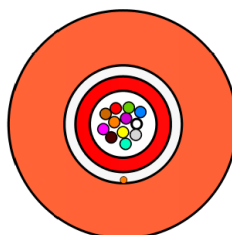
MM 50/125 OM4



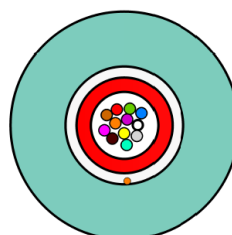
RAL 1021



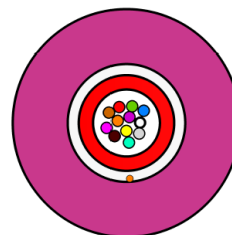
RAL 9010



RAL 2003



RAL 6027



RAL 4003

*On request.