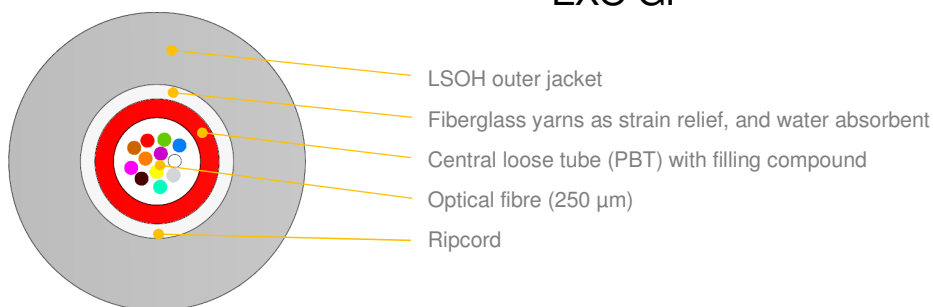


Universal Single Jacket LSOH Central Loose Tube Cable with Fiberglass Reinforcement EXO-GI



*schematic drawing, not to scale

APPLICATION:

Internal installation
External installation into teletechnical ducts
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
Basic rodent protection – fiberglass armour

CONFIGURATION:

Version	Quantity [pcs]		Ø nominal (±5%) [mm]	Nominal weight LSOH (±5%) [kg/km]
	Fibres	Fibres per tube		
1T x 2F	2	2	6,1	38
1T x 4F	4	4	6,1	38
1T x 6F	6	6	6,1	39
1T x 8F	8	8	6,1	40
1T x 12F	12	12	6,1	40
1T x 16F	16	16	6,1	41
1T x 18F	18	18	6,1	42
1T x 24F	24	24	6,1	42

*Other fibre counts available on demand

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_OFPP document.

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max tensile load short term	IEC 60794-1-21-E1, $\Delta\alpha\leq 0,05$ dB/km	1800 N ($\epsilon_t=0,33\%$) / 2700 N ($\epsilon_t=0,50\%$)
Max tensile load long term	IEC 60794-1-21-E1, $\Delta\alpha\leq 0,05$ dB/km	500 N
Crush performance	IEC 60794-1-21-E3, $\Delta\alpha\leq 0,05$ dB	1600 [N/10 cm]
Bending performance	IEC 60794-1-21-E11, $\Delta\alpha\leq 0,05$ dB	10 cycles (15x D)
Water penetration	IEC 60794-1-22-F5, no leakage	Water head: 1m Sample length: 3m Time: 24 hrs
Temperature range	Installation	-5... +55 [°C]
	Operation	-20... +70 [°C]
	Transport & Storage	-20... +70 [°C]
CPR class	EN 50575:2014+A1:2016	E _{CA}

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

MARKING

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

- HANDSET symbol
- Products Regulation (CPR)

Type:	EXO GI LH	REV: 2.0
Issued:	03/11/2015	PB
Modified:	16/02/2021	KP

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

Example: "HANDSET" - EN 50575 Eca - " DOUBLE SINE" - FIBRAIN - Fibre Optic Cable - " YEAR OF MANUFACTURE " - EXO-GI 12F G652D CT 3.2 LSOH -"LENGTH MARKING"- "BATCH NUMBER

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.

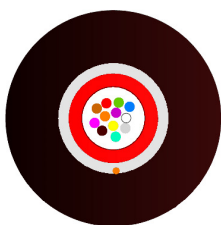
PACKAGING

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.

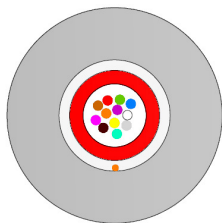
DELIVERY LENGTH

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:



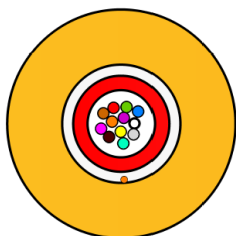
Black RAL 9005



Light Grey RAL 7037

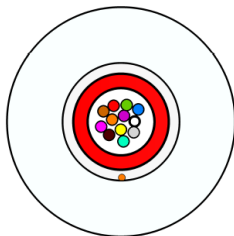
OUTER JACKET COLOUR OPTIONS*:

SM G.652D



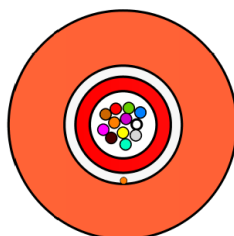
RAL 1021

SM G657A1, A2, A3



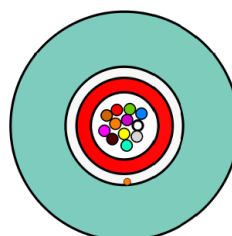
RAL 9010

MM 50/125 OM2



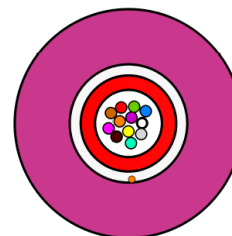
RAL 2003

MM 50/125 OM3



RAL 6027

MM 50/125 OM4



RAL 4003

*On request.

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