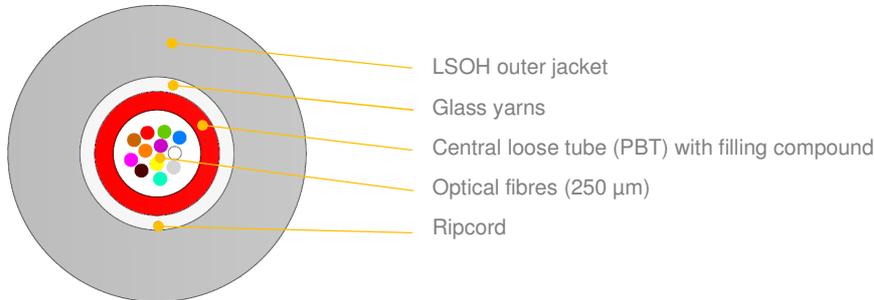


Universal Single Jacket LSOH Central Loose Tube Cable with Fiberglass Reinforcement EXO-G0



*schematic drawing, not to scale

APPLICATION

Internal installation
External installation into teletechnical ducts
Fully dielectric
Basic rodent protection
LAN and FTTX networks
Distribution network
ODF connections

DESIGN

LSOH outer sheath - various colours available
Central loose tube (PBT Ø 3,2mm) with thixotropic filing compound
Glass yarns as a strain relief and water absorbent
Polyester ripcord

CONFIGURATION

Version	Quantity [pcs]		Ø nominal (±5%) [mm]	Nominal weight (±5%) [kg/km]	Max allowed tension [N] / ε≤0,6%	Max static tension [N] / ε≤0,2%
	Fibres	Fibres per tube				
1T x 2F	2	2	5,9	37	2200	500
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

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Test	Standard	Conditions	Requirements
Tensile strength	IEC60794-1-21 Method E1	Short term: 2200N	Fibre strain: ≤0,6%, Δα reversible
		Long term: 500N	Fibre strain: ≤0,2%, Δα≤0,05 dB/km
Crush resistance	IEC60794-1-21 Method E3	Load: 1500 N / 10 cm / 5 minutes	Δα ≤ 0.1dB No jacket cracking and fibre breakage
Torsion	IEC60794-1-21 Method E7	Cable length to be twisted: 2m No. of cycles: 5 Twist angle: starting position to -180° to starting position to +180°, and back (360° total) Load: 100N	Δα≤0.1dB No jacket cracking and fibre breakage
Bending	IEC 60794-1-21-E11	Radius: 15 x OD	Δα≤0.1dB No jacket cracking and fibre breakage
Water penetration	IEC 60794-1-22 Method F5A, F5B	Water head: 1m Sample length: 3m Time: 24 hrs	No water leakage
Temperature range	IEC60794-1-22 Method F1	Installation: -5.... +55 [°C]	Δα≤0,1 dB/km
		Operation: -20... +70 [°C]	
		Transport & Storage: -20... +70 [°C]	
CPR Class	EN 50575:2014+A1:2016		Eca

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

OPTICAL FIBRE AND LOOSE TUBE 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 print (inkjet) is applied at 1-meter intervals.

- Handset symbol
- CPR Euro Class
- 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-G0 12F G652D CT 3.2 LSOH – "LENGTH MARKING" - "BATCH NUMBER"

The accuracy of marking is ± 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.

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.

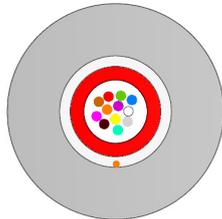
DELIVERY LENGTH

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 JACKET COLOURS



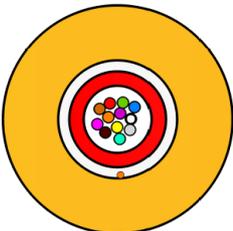
Black RAL 9005



Light Grey RAL 7037

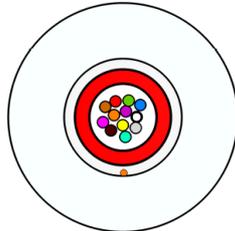
OPTIONAL JACKET COLOURS

SM G.652D



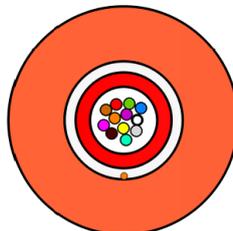
RAL 1021

SM G657A1, A2, A3



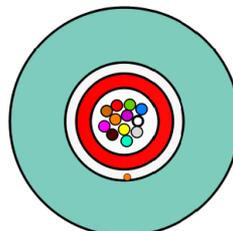
RAL 9010

MM 50/125 OM2



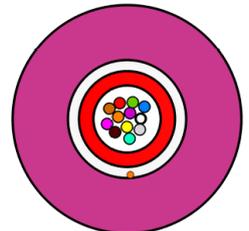
RAL 2003

MM 50/125 OM3



RAL 6027

MM 50/125 OM4



RAL 4003

*On request.

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