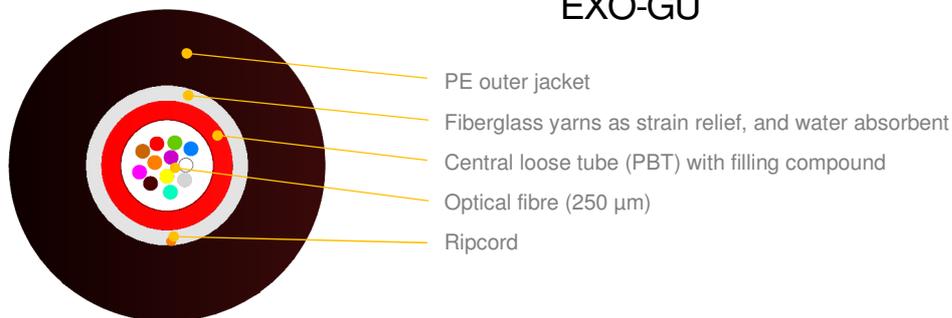


## Single Jacket PE Central Loose Tube Cable with Fiberglass Reinforcement EXO-GU



\*schematic drawing, not to scale

### APPLICATION:

Fully dielectric cable  
Basic rodent protection  
FTTX networks  
Distribution network  
Outdoor installation

### DESIGN:

Central loose tube (PBT) with thixotropic filling compound  
Optical fibres  
Fiberglass as strain relief and water absorbent  
UV stabilized PE sheath  
Polyester ripcord

### CONFIGURATION:

Version	Quantity [pcs]		Ø nominal (±5%) [mm]	Nominal weight PE (±5%) [kg/km]
	Fibres	Fibres per tube		
1T x 2F	2	2	5,8	30
1T x 4F	4	4	5,8	30
1T x 6F	6	6	5,8	30
1T x 8F	8	8	5,8	30
1T x 12F	12	12	5,8	31
1T x 16F	16	16	5,8	31
1T x 18F	18	18	5,8	31
1T x 24F	24	24	5,8	31

\*Other fibre counts available on demand

### OPTICAL FIBRE AND LOOSE TUBES COLOUR IDENTIFICATION

For optical fibres and modules identification information please see **DSH\_Colors\_CODE\_XXXX** document.

### FIBRE PARAMETERS

For selected post-production optical fibres parameters please see **DSH\_OFP** document.

### TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max tensile load short term	IEC 60794-1-21-E1, $\Delta\alpha\leq 0,05$ dB/km	1200 N ( $\epsilon_f=0,33\%$ ) 1800 N ( $\epsilon_f=0,50\%$ )
Max tensile load long term	IEC 60794-1-21-E1, $\Delta\alpha\leq 0,05$ dB/km	400 N
Crush performance	IEC 60794-1-21-E3, $\Delta\alpha\leq 0,05$ dB	1500 [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... +60 [°C]
	Transport & Storage	-20... +60 [°C]
	IEC 60794-1-22-F1, $\Delta\alpha\leq 0,05$ dB/km	

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

Type:	EXO GU PE	REV: 1.2
Issued:	16/07/2018	AM
Modified:	16/02/2021	KP

## MARKING

The following print (inkjet / laser printing) 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-GU PE 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

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