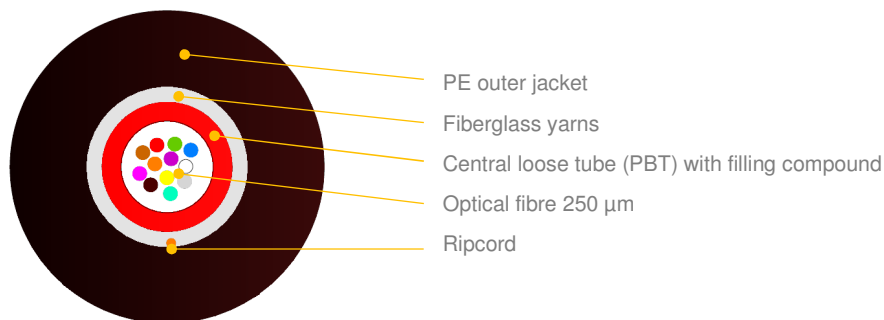


## Single Jacket PE Central Loose Tube Cable with Fiberglass Reinforcement EXO-G0



### APPLICATION

Outdoor use  
Fully dielectric  
Basic rodent protection  
FTTX networks  
Distribution network

### DESIGN

Highly resistant, UV stabilized HDPE outer sheath  
Central loose tube (PBT) with thixotropic filling compound  
Fiberglass as a strain relief and water absorbent  
Optical fibres  
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	1500	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	<b>Short term:</b> 1500N	Fibre strain: ≤0,6%, Δα reversible
		<b>Long term:</b> 500N	Fibre strain: ≤0,2%, Δα≤0,05 dB/km
Crush resistance	IEC60794-1-21 Method E3	<b>Load:</b> 1500 N / 10 cm / 5 minutes	Δα ≤ 0.1dB No jacket cracking and fibre breakage
Torsion	IEC60794-1-21 Method E7	<b>Cable length to be twisted:</b> 2m <b>No. of cycles:</b> 5 <b>Twist angle:</b> starting position to -180° to starting position to +180°, and back (360° total) <b>Load:</b> 100N	Δα≤0.1dB No jacket cracking and fibre breakage
Bending	IEC 60794-1-21-E11	<b>Radius:</b> 15 x OD	Δα≤0.1dB No jacket cracking and fibre breakage
Water penetration	IEC 60794-1-22 Method F5A, F5B	<b>Water head:</b> 1m <b>Sample length:</b> 3m <b>Time:</b> 24 hrs	No water leakage
Temperature range	IEC60794-1-22 Method F1	<b>Installation:</b>	-5... +55 [°C]
		<b>Operation:</b>	-20... +70 [°C]
		<b>Transport &amp; Storage:</b>	-20... +70 [°C]

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

### 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\_OFFP** document.