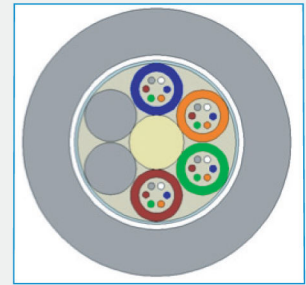


# UC<sup>FIBRE™</sup> LTFGP Series

12-96 Cores, Non Metallic Armoured Rodent Resistant Cable, PE Sheath

## Features

- **Central strength member (CSM):** glass fibre reinforced plastic material (FRP) with plastic coating when needed.
- **Tube:** thermoplastic material, containing up to 12 optical fibres and filled with a suitable water tightness compound.
- **Stranding:** The required numbers of elements (tubes or fillers) are SZ stranded around the central strength member.
- **Longitudinal Water Tightness:** polyester tape (jelly filled).
- **Peripheral reinforcement:** glass yarns.
- **PE Outer Sheath:** HDPE with rodent repellent additive.



## Main characteristics

Test	Standard	Value	Sanction*
<b>Max. installation tension</b>	IEC 60794-1-2-E1	1500 N	fibre strain ≤ 0.33%, Δα reversible
<b>Crush(short term)</b>	IEC 60794-1-2-E3	1000N / 100mm	Δα ≤ 0.3 dB(MM), 0.1 dB(SM)
<b>Temperature range</b>	IEC 60794-1-2-F1	-3 0 -> +70°C	Δα ≤ 0.3 dB/km(MM), 0.1 dB/km(SM)
<b>Water Penetration</b>	IEC 60794-1-2-F5B	sample=3m, water=1m	No water leakage after 24 hour

\*values for single-mode fibres, all optical measurements performed at 1550 nm  
values for multi-mode fibres, all optical measurements performed at 1300 nm

## Overview

Most suitable for outdoor installations whereby non-metallic properties are not allowed but requires rodent protection.

## Additional Options

- LSZH Sheath (LTFGM Series)
- Anti Termite additives
- Nylon Sheath (LTFGPN Series)

## Technical data

No. of Fibres		12,24	36,48	96
<b>Design (Elements × Fibres per Tube)</b>		6x6	6x12	8x12
<b>Loose Tube / Filler - Ø</b>	mm	1.8	2.1	2.1
<b>CSM/sheath diameter</b>	mm	2.0	2.3	2.2/3.7
<b>Outer sheath thickness</b>	mm	1.5 nominal	1.5 nominal	1.5 nominal
<b>Cable Diameter</b>	mm	9.9 nominal	10.6 nominal	11.9 nominal
<b>Cable Weight</b>	kg / km	87	99	119
<b>Max installation tension</b>	N	1500		
<b>Min. bending radius</b>	mm	Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø
<b>Temperature range</b>	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;	Operation -30 -> +70

## Ordering Information

UC<sup>FIBRE™</sup> LTFGP SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters LTFGP to denote that it is a UC<sup>FIBRE™</sup> LTFGP SERIES FO Cable. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

Example of a UC<sup>FIBRE™</sup> LTFGP SERIES FO Cable part number:

**LTFGP008M4**

The above example describes an OM4 (50um, Aqua Sheath) UC<sup>FIBRE™</sup> LTFGP SERIES FO Cable, with 8 cores.

LTFGP SERIES	CORE QUANTITY	FIBRE TYPE
LTFGP	XXX	XX
	012 - 12 CORES 024 - 24 CORES 036 - 36 CORES 048 - 48 CORES 096 - 96 CORES	SM - SINGLEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)