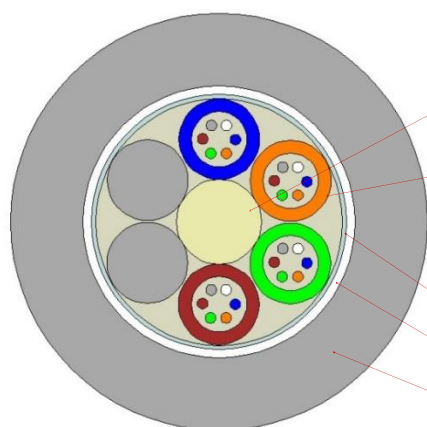


UCFIBRE® 4-144 Fibres LTFGP Series, Non Metallic Glass Yarn, Rodent Retardant Cable, PE Sheath



- not to scale -

- **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.

Application

Suitable for outdoor duct buried application, UV resistant and anti-rodent, especially for non metallic requirement.

Standards

IEC 60794-3-10, RoHS

Technical data

No. of Fibres		4, 8	6, 12, 24	36, 48, 72	96	144
Design (Elements × Fibres per Tube)		6x4	6x6	6x12	8x12	12x12
Loose Tube / Filler nominal - Ø	mm	1.8	1.8	2.1	2.1	2.1
CSM/sheath nominal diameter	mm	2.0	2.0	2.3	2.2/3.7	2.7/6.6
Outer sheath nominal thickness	mm	1.5	1.5	1.5	1.5	1.5
Cable nominal diameter	mm	9.9	9.9	10.6	11.9	14.6
Cable nominal weight	kg / km	87	87	99	119	175
Min. bending radius	mm	Without Tension		Under Maximum Tension		
		10 × Cable-Ø		20 × Cable-Ø		
Temperature range	°C	Installation		Transport. & Storage		Operation
		-10 -> +60;		-40 -> +70;		-40 -> +70

Main characteristics

Test	Standard	Value	Sanction*
Max. installation tension	IEC 60794-1-2-E1	1500N	fibre strain ≤ 0.33%, Δα reversible
Crush (short term)	IEC 60794-1-2-E3	1000 N / 100mm	Δα ≤ 0.3 dB(MM), 0.1 dB(SM)
Temperature range	IEC 60794-1-2-F1	-40 -> +70°C	Δα ≤ 0.3 dB/km(MM), 0.1 dB/km(SM)
Water Penetration	IEC 60794-1-2-F5B	sample=3m, water=1m	No water leakage after 24 hours

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

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

Optical Characteristics

See the attached cabled optical fibre data sheet.

Identification

Fibre Colours

No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua

Loose Tube Colours

No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua

Filler Colour : Black

Sheath Colour :

Outer Sheath : Black

Sheath Marking:

The outer sheath is inkjet marked in 1 meter intervals as follows:

**PRYSMIAN UC FIBRE OPTIC CABLE LOOSE TUBE NON METALLIC GLASS YARN PE <UC Part Number> <BATCHCODE>
<FIBRE QTY x FIBRE TYPE> <FC> <xxxx>M**

<UC Part Number> : LTFGP <***><MY>

<***> : Fibre core qty i.e. 4 to 144 fibre

<MY> : Transmission mode i.e. **M1** = OM1 , **M2** = OM2 , **M3** = OM3 , **M4** = OM4 , **SM** = G.652D , **A1** = G.657A1 ,
A2 = G.657A2

<FIBRE TYPE> : OM1 / OM2 / OM3 / OM4 / G.652D / G.657A2 / G.657A1

<BATCHCODE> : Factory defined tracking code, e.g. MM/YYYY or WW/YYYY

<FC> : Draka defined factory code

<XXXX> : increasing length marking by 1 meter

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 2 km with a tolerance of $\pm 5\%$.

Ordering information

UC Part Number	SAP1C	Description	Fibre count	Fibre type
LTFGP006SM	60093345	UCFIBRE NON METALLIC FIBRE OPTIC CABLE FRP/LOOSE TUBE/GLASS YARN/PE/AR, BLACK, 6C 9/125um G.652D	6	G652D
LTFGP008SM	60097698	UCFIBRE NON METALLIC FIBRE OPTIC CABLE FRP/LOOSE TUBE/GLASS YARN/PE/AR, BLACK, 8C 9/125um G.652D	8	G652D
LTFGP012SM	60079674	UCFIBRE NON METALLIC FIBRE OPTIC CABLE FRP/LOOSE TUBE/GLASS YARN/PE/AR, BLACK, 12C 9/125um G.652D	12	G652D
LTFGP024SM	60089740	UCFIBRE NON METALLIC FIBRE OPTIC CABLE FRP/LOOSE TUBE/GLASS YARN/PE/AR, BLACK, 24C 9/125um G.652D	24	G652D
LTFGP048SM	60088854	UCFIBRE NON METALLIC FIBRE OPTIC CABLE FRP/LOOSE TUBE/GLASS YARN/PE/AR, BLACK, 48C 9/125um G.652D	48	G652D

Enquiries

Please contact our local sales office or email to: mms.asia@prysmiangroup.com

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