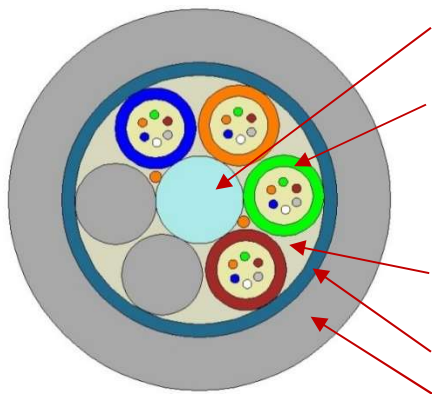


UCFIBRE™ 4-144 Core LTZSP Series, Light Armoured Cable, PE Sheath

Cable Design

IEC/EN 60794-3-10



- not to scale -

- **Central strength member (CSM):** steel wire 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:** WB jelly and water blocking yarn (partial jelly filled).
- **Armour:** corrugated steel tape.
- **Outer Sheath:** PE.
- **Suitable for Duct Buried and Outdoor Installation**

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 - Ø	mm	1.8	1.8	2.0	2.0	2.0
CSM/sheath diameter	mm	2.0	2.0	2.2	2.0/3.5	2.2/6.2
Outer sheath thickness	mm	1.8 nominal	1.8 nominal	1.8 nominal	1.8 nominal	1.8 nominal
Cable Diameter	mm	10.7 nominal	10.7 nominal	11.3 nominal	12.6 nominal	15.3 nominal
Cable Weight	kg / km	133	133	149	172	240
Max installation tension	N	3000				
Min. bending radius	mm	Without Tension 10 × Cable-Ø			Under Maximum Tension 20 × Cable-Ø	
Temperature range	°C	Installation -10 -> +60;		Transport. & Storage -40 -> +70 ;		Operation -40 -> +70

Please refer to our General Installation, Safety & Handling recommendations before handling.

Main characteristics

Test	Standard	Value	Sanction*
Max. installation tension	IEC 60794-1-2-E1	3000N	fibre strain ≤ 0.33%, Δα reversible
Crush(short term)	IEC 60794-1-2-E3	3000 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 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

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

Fillers are black.

Sheath Colour:

The outer sheath is black.

Sheath Marking:

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

**PRYSMIAN UC FIBRE OPTIC CABLE LOOSE TUBE ARMOUR <UC Product Code> <BATCHCODE>
<FIBRE QTY x FIBRE TYPE> <FC> <XXXX>M**

<UC Product Code> : LTZSP<***><MY>

<***> : fibre core qty i.e. 2 to 288 fibre

<MY> : transmission mode i.e. OM1-M1, OM2-M2, OM3-M3, OM4-M4, SINGLEMODE-SM

<FIBRE TYPE> : OM1 / OM2 / OM3 / OM4 / G.652D / G.656 / G.657A / G.657B

<BATCHCODE> : Factory defined tracking code MM/YYYY or WW/YYYY

<FC> : Draka defined factory Code

<XXXX> : increasing length marking by 1metre

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 4 km with a tolerance of $\pm 5\%$.

Enquiries

Please contact our local sales offices or mms.asia@prysmiangroup.com

UCFIBRE™ covers the fibre optical cables under Draka Structured Cable Solutions for Fibre & Copper.

Ask about UCONNECT™ for a complete Fibre Optics Solutions with 25 Years System Warranty.

Visit www.DrakaUC.com for more information.

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