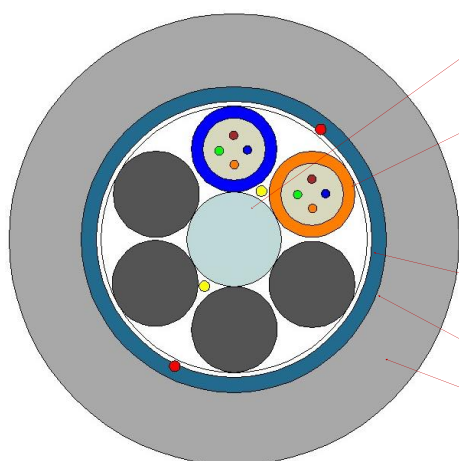


UCFIBRE® 4-144 Fibres LTZSM Series, Light Armoured Cable, LSZH Sheath, Dry Core



- 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 tape and water blocking yarn (dry core).
- **Armour:** corrugated steel tape.
- **Outer Sheath:** LSZH.

Application

Suitable for indoor/outdoor duct buried application requiring flame retardant, low smoke and halogen free environment, UV resistant, steel tape armoring and anti-rodent.

Standards

ANSI/TIA-568-C.3, ISO/IEC 11801, IEC 60794-3-10, RoHS
IEC60332-3-24, IEC60332-1, IEC60754-1/2, IEC61034-2

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	2.0	2.0	2.0
CSM/sheath nominal diameter	mm	2.0	2.0	2.2	2.0/3.5	2.2/6.2
Outer sheath nominal thickness	mm	1.8	1.8	1.8	1.8	1.8
Cable nominal diameter	mm	11.0	11.0	11.6	12.9	15.6
Cable nominal weight	kg / km	162	161	177	205	277
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	3000N	fibre strain ≤ 0.33%, Δα reversible
Crush	IEC 60794-1-2-E3	3000N / 100mm	Δα ≤ 0.3 dB(MM), 0.1 dB(SM)
Temperature Cycling	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 ARMOUR LSZH <UC Part Number> <BATCHCODE> <FIBRE QTY x FIBRE TYPE> <FC> <XXXX>M

<UC Part Number> : LTZSM<***><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
LTZSM004SM	60078676	UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 4C 9/125um G.652D	4	G652D
LTZSM006SM	60079500	UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE & YARN (DRY CORE)/CST/LSZH, BLACK, 6C 9/125um G.652D	6	G652D
LTZSM008SM	60074917	UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 8C 9/125um G.652D	8	G652D
LTZSM012SM	60075334	UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 12C 9/125um G.652D	12	G652D
LTZSM024SM	60074930	UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 24C 9/125um G.652D	24	G652D
LTZSM036SM	60087736	UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 36C 9/125um G.652D	36	G652D
LTZSM048SM	60075936	UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 48C 9/125um G.652D	48	G652D
LTZSM072SM	60074538	UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 72C 9/125um G.652D	72	G652D
LTZSM096SM	60074920	UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE & YARN (DRY CORE)/CST/LSZH, BLACK, 96C 9/125um G.652D	96	G652D
LTZSM004M2		UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 4C 50/125um OM2	4	OM2
LTZSM006M2		UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 6C 50/125um OM2	6	OM2
LTZSM008M2	60075333	UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 8C 50/125um OM2	8	OM2
LTZSM012M2		UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 12C 50/125um OM2	12	OM2
LTZSM004M3		UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 4C 50/125um OM3	4	OM3
LTZSM006M3	60075967	UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 6C 50/125um OM3	6	OM3
LTZSM008M3		UCFIBRE LIGHT ARMoured FIBRE OPTIC CABLE	8	OM3

		LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 8C 50/125um OM3		
LTZSM012M3		UCFIBRE LIGHT ARMOURED FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 12C 50/125um OM3	12	OM3
LTZSM024M3	60083739	UCFIBRE LIGHT ARMOURED FIBRE OPTIC CABLE LT/WATER BLOCKING TAPE/YARN (DRY CORE)/CST/LSZH, BLACK, 24C 50/125um OM3	24	OM3

Enquiries

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

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