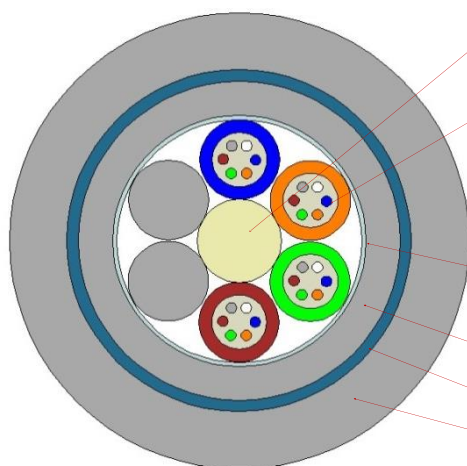


UCFIBRE® 2~144 Fibres LTZMSM Series, Double Sheath, Armoured Cable, LSZH, Dry Core, ATARUV



- 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)
- **Inner Sheath:** LSZH.
- **Armour:** Corrugated steel tape.
- **Outer Sheath:** LSZH with anti-termite additive.

Application

Suitable for indoor/outdoor installation requiring flame retardant, low smoke and halogen free environment, the outer sheath is UV resistant, steel tape armoring and anti-rodent, anti-termite additive against termite.

Standards

IEC 60794-3-10, RoHS

IEC60332-3-24, IEC60332-1, IEC60754-1/2, IEC61034-2

Technical data

No. of Fibres		2, 4, 8, 16	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
Inner sheath nominal thickness	mm	0.8	0.8	0.8	0.8	0.8
Outer sheath nominal thickness	mm	1.8	1.8	1.8	1.8	1.8
Cable nominal diameter	mm	12.6	12.6	13.2	14.5	17.2
Cable nominal weight	kg / km	215	215	234	271	349
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

Main characteristics

Test	Standard	Value	Sanction*
Maximum Tension	IEC 60794-1-2-E1	3000N	fiber stress ≤ 0.33%, Δα reversible
Crush	IEC 60794-1-2-E3	3000N / 100mm	Δα ≤ 0.1 dB(SM), 0.3 dB(MM)
Temperature range	IEC 60794-1-2-F1	-40 -> +70°C	Δα ≤ 0.1 dB/km(SM), 0.3 dB/km(MM)
Water Penetration	IEC 60794-1-2-F5B	sample=3m, water=1m (up to inner sheath)	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

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

Filler Colour : Black

Sheath Colour :

Inner Sheath : Black

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 DOUBLE LSZH <UC Part Number> <BATCHCODE>
<FIBRE QTY x FIBRE TYPE> <FC> <XXXX>M**

<UC Part Number> : LTZMSM<***><MY>RTV

<***> : Fibre core qty i.e. 2 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
LTZMSM012A1RTV	TBA	UCFIBRE LIGHT ARMOURED FIBRE OPTIC CABLE LT/WATER BLOCKING YRAN/TAPE (DRY CORE)/LSZH/CST/LSZH/ATARUV, BLACK 12C 9/125um G.657A1	12	G657A1
LTZMSM024A1RTV	TBA	UCFIBRE LIGHT ARMOURED FIBRE OPTIC CABLE LT/WATER BLOCKING YRAN/TAPE (DRY CORE)/LSZH/CST/LSZH/ATARUV, BLACK 24C 9/125um G.657A1	24	G657A1
LTZMSM048A1RTV	TBA	UCFIBRE LIGHT ARMOURED FIBRE OPTIC CABLE LT/WATER BLOCKING YRAN/TAPE (DRY CORE)/LSZH/CST/LSZH/ATARUV, BLACK 48C 9/125um G.657A1	48	G657A1
LTZMSM096A1RTV	TBA	UCFIBRE LIGHT ARMOURED FIBRE OPTIC CABLE LT/WATER BLOCKING YRAN/TAPE (DRY CORE)/LSZH/CST/LSZH/ATARUV, BLACK 96C 9/125um G.657A1	96	G657A1

Enquiries

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

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Ask about UC CONNECT for a complete Structured Cabling Solutions with 25 Years System Warranty.

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