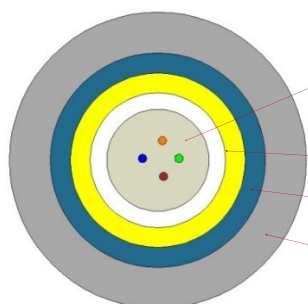


UCFIBRE® 2-24 Fibres UTM Series, Light Armored, Uni-tube Cable, LSZH Sheath



- not to scale -

- **Uni-tube:** thermoplastic material, containing up to 24 fibres and filled with a suitable water tightness compound.
- **Peripheral Strength Elements:** aramid yarns.
- **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
IEC60332-3-22, IEC60332-3-24, IEC60332-1, IEC60754-1/2, IEC61034-2

Technical data

No. of Fibres		2, 4, 6, 8, 12,24		
Design		1x24		
Loose Tube / Filler nominal - Ø	mm	2.8		
Sheath nominal thickness	mm	1.8		
Cable nominal diameter	mm	8.7		
Cable nominal weight	kg/km	95		
Min. bending radius	mm	Without Tension		Under Maximum Tension
		10 x Cable-Ø		20 x Cable-Ø
Temperature range	°C	Installation	Transport & Storage	Operation
		-10 -> +60;	-40 -> +70;	-40 -> +70

Main characteristics

Test	Standard	Value	Sanction*
Maximum tension at installation (short term)	IEC 60794-1-2-E1	1200N	$\Delta I/I$ fibre \leq 0.6%, $\Delta\alpha$ reversible
Maximum tension at operation	IEC 60794-1-2-E1	800N	$\Delta I/I$ fibre \leq 0.2%, $\Delta\alpha$ reversible
Crush	IEC 60794-1-2-E3	1500N / 100mm	$\Delta\alpha \leq$ 0.3 dB(MM), 0.1 dB(SM), cable integrity
Impact	IEC 60794-1-2-E4	R=300mm, 4.4J, 3 impacts.	$\Delta\alpha \leq$ 0.3 dB(MM), 0.1 dB(SM), cable integrity
Torsion	IEC 60794-1-2-E7	1m, 180°, 10cycles	$\Delta\alpha \leq$ 0.3 dB(MM), 0.1 dB(SM), cable integrity

Bend	IEC 60794-1-2-E11	R=20xOD, 4 turns, 3cycles	$\Delta\alpha \leq 0.3$ dB(MM), 0.1 dB(SM), cable integrity
Temperature range	IEC 60794-1-2-F1	-40 -> +70°C	$\Delta\alpha \leq 0.3$ dB/km(MM), 0.1dB/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
No.	13	14	15	16	17	18	19	20	21	22	23	24
colour	Blue with black tracer	Orange with black tracer	Green with black tracer	Brown with black tracer	Grey with black tracer	White with black tracer	Red with black tracer	Natural with black tracer	Yellow with black tracer	Violet with black tracer	Pink with black tracer	Aqua with black tracer

Loose Tube Colour : Natural

Sheath Colour :
 Outer Sheath : Black

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

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PRYSMIAN UC FIBRE OPTIC CABLE UNI TUBE ARMOUR LSZH <UC Part Number> <BATCHCODE> <FIBRE QTY x FIBRE TYPE> <FC> <xxxx>M
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<UC Part Number> : UTM<***><MY>
 <***> : Fibre core qty i.e. 2 to 24 fibre
 <MY> : Transmission mode i.e. **M1** = OM1 , **M2** = OM2 , **M3** = OM3 , **M4** = OM4 , **M5** = OM5 , **SM** = G.652D ,
A1 = G.657A1 , **A2** = G.657A2
 <FIBRE TYPE> : OM1 / OM2 / OM3 / OM4 / OM5 / 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 ± 5%.

Ordering information

UC Part Number	SAP1C	Description	Fibre count	Fibre type
UTM024M4	60087510	UCFIBRE LIGHT ARMOURED FIBRE OPTIC CABLE, UT/ARAMID YARN/CST/LSZH, BLACK, 24C 50/125um OM4	24	OM4

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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