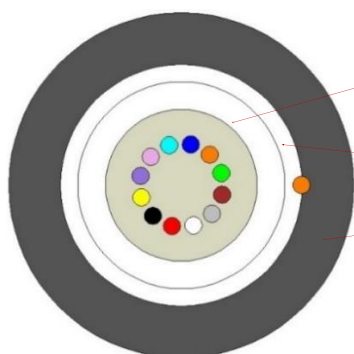


UCFIBRE® 2-24 Fibres UGM Series Un-Armoured, Uni-tube Cable, LSZH Sheath



- not to scale -

- **Uni-tube:** thermoplastic material, containing up to 24 fibres and filled with a suitable water tightness compound.
- **Peripheral Strength Elements:** glass yarns.
- **Outer Sheath:** LSZH, 1 ripcord beneath.

Application

Suitable for indoor/outdoor duct buried application requiring flame retardant, low smoke and halogen free environment, UV resistant, especially for nom metallic requirement.

Standards

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

Technical data

No. of Fibres		2, 4, 6, 8, 12		24
Design		1x12		1x24
Loose Tube nominal - Ø	mm	2.8		3.5
Sheath nominal thickness	mm	1.5		1.5
Cable nominal diameter	mm	7.0		7.6
Cable nominal weight	kg / km	58		65
Min. bending radius	mm	Without Tension 10 x Cable-Ø		Under Maximum Tension 20 x Cable-Ø
Temperature range	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70;	Operation -40 -> +70

Main characteristics

Test	Standard	Value	Sanction*
Maximum Tension installation (short term)	IEC 60794-1-2-E1	1200N	$\Delta I/I$ fibre $\leq 0.6\%$, $\Delta\alpha$ reversible
Maximum Tension operation (long term)	IEC 60794-1-2-E1	400N	$\Delta I/I$ fibre $\leq 0.2\%$, $\Delta\alpha$ reversible
Crush (short/long term)	IEC 60794-1-2-E3	1500N / 800N / 100mm	$\Delta\alpha \leq 0.3$ dB, cable integrity

Temperature range	IEC 60794-1-2-F1	-40 -> +70°C	$\Delta\alpha \leq 0.3$ dB/km
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:

PRYSMIAN UC FIBRE OPTIC CABLE UNI TUBE UNARMOUR LSZH <UC Part Number> <BATCHCODE> <FIBRE CORE QTY x FIBRE TYPE> <FC> <xxxx> M

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

<***> : Fibre core qty i.e. 2 to 24 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 ± 5%.

Ordering information

UC Part Number	SAP1C	Description	Fibre count	Fibre type
UGM004SM		UCFIBRE NON METALLIC FIBRE OPTIC CABLE UNITUBE/GLASS YARN/LSZH, BLACK, 4C 9/125um G.652D	4	G652D
UGM006SM	60077147	UCFIBRE NON METALLIC FIBRE OPTIC CABLE UNITUBE/GLASS YARN/LSZH, BLACK, 6C 9/125um G.652D	6	G652D
UGM012SM	60076896	UCFIBRE NON METALLIC FIBRE OPTIC CABLE UNITUBE/GLASS YARN/LSZH, BLACK, 12C 9/125um G.652D	12	G652D
UGM024SM	60075714	UCFIBRE NON METALLIC FIBRE OPTIC CABLE UNITUBE/GLASS YARN/LSZH, BLACK, 24C 9/125um G.652D	24	G652D

Enquiries

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

Multimedia Solutions is the data communication portfolio of Prysmian Group and comprises all the necessary portfolio of cable solutions for data communication.

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

Visit www.drakauc.com for more information.

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