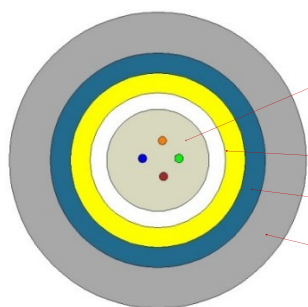


UCFIBRE® 2-24 Fibres UT Series, Light Armored, Uni-tube Cable, PE Sheath



- 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:** PE.

Application

Suitable for outdoor duct buried application, UV resistant, steel tape armoring and anti-rodent.

Standards

ANSI/TIA-568-C.3, ISO/IEC 11801, IEC 60794-3-10, RoHS

Technical data

No. of Fibres		2, 4, 6, 8, 12		24
Design		1x12		1x24
Loose Tube / Filler nominal - Ø	mm	3.0		3.5
Sheath nominal thickness	mm	1.5		1.5
Cable nominal diameter	mm	8.1		8.6
Cable nominal weight	kg / km	74		77
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 at installation (short term)	IEC 60794-1-2-E1	1200N	$\Delta l/l$ fibre $\leq 0.6\%$, $\Delta\alpha$ reversible
Maximum tension at operation	IEC 60794-1-2-E1	800N	$\Delta l/l$ fibre $\leq 0.2\%$, $\Delta\alpha$ reversible
Crush	IEC 60794-1-2-E3	1500N / 100mm	$\Delta\alpha$ 0.3 dB(MM), 0.1 dB(SM), cable integrity
Impact	IEC 60794-1-2-E4	R=300mm, 4.4J, 3 impacts.	$\Delta\alpha$ ≤ 0.3 dB(MM), 0.1 dB(SM), cable integrity
Torsion	IEC 60794-1-2-E7	1m, 180°, 10cycles	$\Delta\alpha$ ≤ 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), 0.1 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
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 ARMOUR <UC Part Number> <BATCHCODE> <FIBRE QTY x FIBRE TYPE> <FC> <XXXX>M

<UC Part Number> : UT<***><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 4 km with a tolerance of $\pm 5\%$.

Ordering information

UC Part Number	SAP1C	Description	Fibre count	Fibre type
UT012SM	60074555	UCFIBRE LIGHT ARMOURED FIBRE OPTIC CABLE UNITUBE/ARAMID YARN/CST/PE, BLACK, 12C 9/125um G.652D	12	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.

© PRYSMIAN GROUP 2022, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.