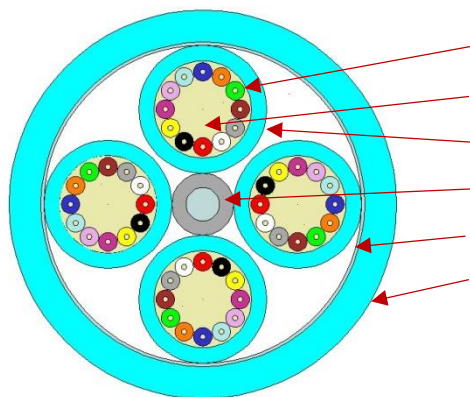


UCFIBRE™ 36, 48, 96 Core Indoor Tight Buffer Distribution Cable, LSZH Sheath

Cable Design

GR-409-CORE



- not to scale -

- **Tight buffer:** Each fibre is coated to 0.9mm with LSZH.
- **Strength Member:** Aramid yarn within each sub-unit
- **Sub-unit sheath:** LSZH material
- **Central Strength Member:** FRP with up-coating
- **Core Wrapping:** Polyester tape
- **Outer Sheath:** LSZH compliant to IEC 61034, IEC 60754-1&2, IEC 60332-1, 60332-3-24.
- **Suitable for Indoor Flame Retardant, Low Smoke and Halogen Free Environment**

Technical data

No. of Fibres		36	48	96
Design		6x6 TB	4x12 TB	8x12 TB
Tight buffer Size	mm	0.9 ± 0.05	0.9 ± 0.05	0.9 ± 0.05
Sub-unit Diameter	mm	4.8 ± 0.2	6.0 ± 0.2	6.0 ± 0.2
Sub-unit sheath thickness	mm	0.7 nominal	0.65 nominal	0.65 nominal
Outer sheath thickness	mm	1.4 nominal	1.4 nominal	1.5 nominal
Cable Outer Diameter	mm	17.7± 1.5	17.9± 1.5	25.3± 1.5
Cable Weight	kg / km	276	244	538
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 -20 -> +70
Flame Retardant		IEC 60332-3-24		

Main characteristics

Test	Standard	Value	Sanction*
Maximum installation load (a few hours)	IEC 60794-1-2-E1	4200 N (36F, 48F), 6600N (96F)	Fibre strain ≤ 0.6%, Δα reversible
Short term tensile strength. (some days)	IEC 60794-1-2-E1	2800 N (36F, 48F), 4400N (96F)	Fibre strain ≤ 0.4%, Δα reversible
Max operation tension	IEC 60794-1-2-E1	1400 N (36F, 48F), 2200N (96F)	Fibre strain ≤ 0.2%, Δα ≤ 0.4 dB(MM), ≤0.30(SM)
Crush (short term)	IEC 60794-1-2-E3	1000 N / 100mm	Δα ≤ 0.4 dB(MM), ≤0.30(SM), no damage
Temperature range	IEC 60794-1-2-F1	-20 -> +70°C	Δα ≤ 0.6 dB /km(MM), ≤ 0.30dB/km(SM)

* 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

Tight buffer 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

Sheath Colour:

Table for Sub-unit & Outer Sheath Colour					
Fibre Type	Singlemode	Multimode 62.5/125 (OM1)	Multimode 50/125 (OM2)	Multimode 50/125 OM3	Multimode 50/125 OM4
Colour	Yellow	Orange	Orange	Aqua	Erika Violet

Sheath Marking:

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

**PRYSMIAN UC FIBRE OPTIC CABLE LSZH INDOOR TIGHT BUFFER <UC Product Code> <BATCHCODE>
<FIBRE QTY x FIBRE TYPE> <FC> <xxxx>M**

UC Product Code – MT<***><MY>

<***> : fibre core qty i.e. 2 to 288 fibre

<MY> : Transmission mode i.e. OM1–M1, OM2–M2, OM3–M3, OM4–M4, G.652D–SM, G.657A1–A1, G657A2–A2

<FIBRE TYPE> : OM1 / OM2 / OM3 / OM4 / G.652D / G.657A2 / G.657A1

<BATCHCODE> : Factory defined tracking code MM/YYYY or WW/YYYY

<FC> : Draka defined factory Code

<XXXX> : increasing length marking by 1metre

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 1~4 km with a tolerance of $\pm 5\%$.

Enquiries

Please contact our local sales offices or mms.asia@prysmiangroup.com

UCFIBRE™ covers the fibre optical cables under Draka Structured Cable Solutions for Fibre & Copper.

Ask about UCONNECT™ for a complete Fibre Optics Solutions with 25 Years System Warranty.

Visit www.DrakaUC.com for more information.

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