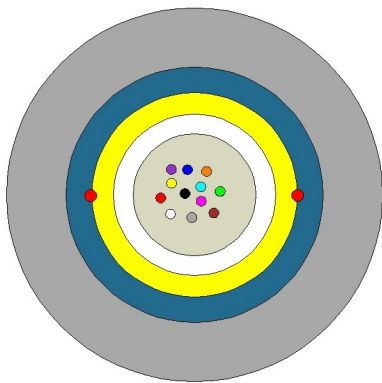


2-24F Armored, Uni-tube Cable, LSZH Sheath

Cable Design

IEC/EN 60794-3-10



- not to scale -

- **Unitube:** thermoplastic material, containing up to 24 fibres and filled with a suitable water tightness compound.
- **Peripheral Strength Elements:** Aramid yarns.
- **Armour:** corrugated steel tape. 2 rip cords beneath.
- **Outer Sheath:** LSZH.
- **Compliant to** IEC60332-3-24, IEC60332-1, IEC60754-1/2, IEC61034-2, UV Resistant.

Technical data

No. of Fibres		2-12	24
Design		Unitube	Unitube
Loose Tube / Filler - Ø	mm	3.0 nominal	3.5 nominal
Sheath thickness	mm	1.8 nominal	1.8 nominal
Cable Diameter	mm	8.9 nominal	9.3 nominal
Cable Weight	kg / km	103	114
Max installation tension	N	1500	
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

Please refer to our General Installation, Safety & Handling recommendations before handling.

Main characteristics

Test	Standard	Value	Sanction*
Maximum Tension at installation (short term)	IEC 60794-1-2-E1	1500N	$\Delta I/I \text{ fibre} \leq 0.6\%$ , $\Delta \alpha$ reversible
Crush	IEC 60794-1-2-E3	1500N/100mm	$\Delta \alpha \leq 0.3 \text{ dB}$ , cable integrity
Temperature range	IEC 60794-1-2-F1	-40 -> +70°C	$\Delta \alpha \leq 0.3 \text{ dB /km}$

\* values for single-mode fibres, all optical measurements performed at 1550 nm













\* values for multi-mode fibres, all optical measurements performed at 1300 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 is natural.

Sheath Colour:

The outer sheath colour is black.

Sheath Marking:

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

FIBRE OPTIC CABLE UNI TUBE ARMOUR LSZH <FIBRE QTY x FIBRE TYPE> <xxxx>M

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 4 km with a tolerance of ± 5%.