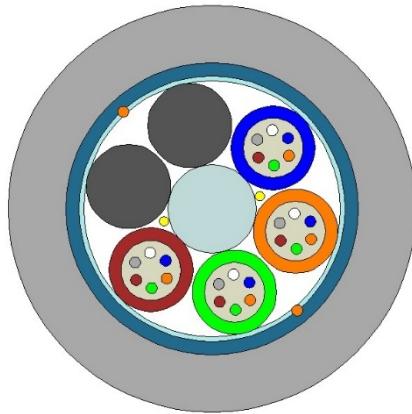


4-144F Single Armored Single Jacket Cable, LSZH

Cable Design

IEC/EN 60794-3-10



- not to scale -

- **Central strength member (CSM):** steel wire with coating when needed.
- **Tube:** thermoplastic material, containing up to 12 optical fibres and filled with a suitable water tightness compound.
- **Stranding:** the required number of elements (tubes or fillers) are SZ stranded around the central strength member.
- **Core wrapping:** water swellable tape (dry core).
- **Armour:** corrugated steel tape. 2 ripcords beneath.
- **Outer Sheath:** LSZH.
- **Compliant to** IEC60332-3-24, IEC60332-1, IEC60754-1/2, IEC61034-2, UV Resistant.

Technical data

No. of Fibres	4, 8	6,12, 24	36, 48, 72	96	144
Design (Elements x Fibres per Tube)	6x4	6x6	6x12	8x12	12x12
Outer sheath nominal thickness	mm	1.8	1.8	1.8	1.8
Cable nominal Diameter	mm	11.0	11.0	11.6	12.9
Cable Weight	kg / km	166	166	177	205
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*
Max. Installation Tension	IEC 60794-1-2-E1	3000N	fibre strain $\leq 0.6\%$, $\Delta\alpha$ reversible
Crush	IEC 60794-1-2-E3	3000N / 100mm	$\Delta\alpha \leq 0.1$ dB, cable integrity
Temperature Cycling	IEC 60794-1-2-F1	-40 -> +70°C	$\Delta\alpha \leq 0.1$ dB/km
Water Penetration	IEC 60794-1-2-F5C	sample=3m, water=1m	No water leakage after 24 hours

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

Optical Characteristics

See the attached cabled optical fibre data sheet.

Identification

Loose Tube

LinkPro SLT Single Armored Single Jacket Cable, LSZH.docx

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

Loose Tube and filler 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

All fillers are black.

Sheath Colour:

The outer sheath colour is black.

Sheath Marking:

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

YYYY <fiber number & type> ARMOURED CABLE LSZH XXXXM

Logistic**Packing:**

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 4 km with a tolerance of -5% / +5%.

Loose Tube

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