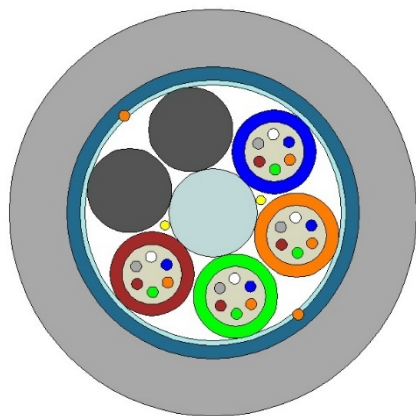


4-144F Single Armored Single Jacket Cable, LSZH**Cable Design****IEC/EN 60794-3-10**

- 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 × Fibres per Tube)		6×4	6×6	6×12	8×12	12×12
Outer sheath nominal thickness	mm	1.8	1.8	1.8	1.8	1.8
Cable nominal Diameter	mm	11.0	11.0	11.6	12.9	15.6
Cable Weight	kg / km	166	166	177	205	277
Min. bending radius	mm	Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × 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 ≤ 0.6%, Δα reversible
Crush	IEC 60794-1-2-E3	3000N / 100mm	Δα ≤ 0.1 dB, cable integrity
Temperature Cycling	IEC 60794-1-2-F1	-40 -> +70°C	Δα ≤ 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