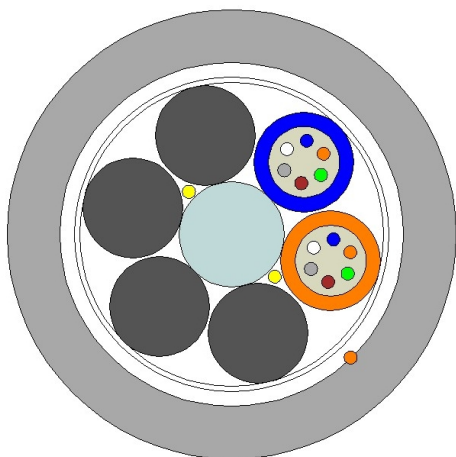


Single Jacket Non-Armored Cable, LSZH

Cable Design

IEC/EN 60794-3-10



- not to scale -

- **Central strength member (CSM):** glass fibre reinforced plastic material (FRP) with PE 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 blocking tape (dry core).
- **Peripheral reinforcement:** glass yarns.
- **Outer Sheath:** LSZH. 1 ripcord beneath
- **Compliant to** IEC60332-1, IEC60754-1/2, IEC61034-2

Technical data

No. of Fibres		4, 8	6, 12, 24	36,48, 72	96	144
Design(element × fibre per tube)		6x4	6x6	6x12	8x12	12x12
Outer sheath nominal thickness	mm	1.5	1.5	1.5	1.5	1.5
Cable nominal Diameter	mm	10.0	10.0	10.7	12.0	14.6
Cable Weight	kg / km	107	107	119	143	213
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	1500 N	fibre strain ≤ 0.6%, $\Delta\alpha$ reversible
Crush(short term)	IEC 60794-1-2-E3	1500 N / 100mm	$\Delta\alpha \leq 0.1$ dB
Temperature range	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.

Loose Tube

LinkPro SLT Single Jacket Un-Armored Cable, LSZH.docx

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

Loose Tube 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

Fillers are black

Sheath Colour:

The inner and outer sheath colour are black.

Sheath Marking:

The outer sheath is marked in 1 meter intervals in Black:

<fiber type & Number> DUCT CABLE LSZH <Year of manufacture> XXXXM

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

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

Loose Tube