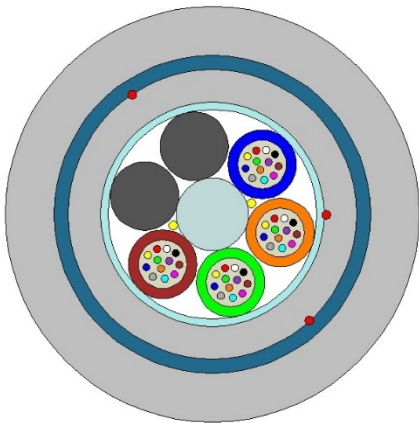


12F 24F 48F 96F 144F Single Armor Double Jacket Cable

Cable Design

IEC/EN 60794-3-20



- not to scale -

- **Central strength member (CSM):** glass fibre reinforced plastic material (FRP) with PE coating when needed.
- **Tube:** thermoplastic material, containing 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).
- **Inner Sheath:** HDPE. 1 ripcord beneath.
- **Armour:** corrugated steel tape. 2 ripcords beneath.
- **Outer Sheath:** HDPE.

Technical data

No. of Fibres		12, 24	48	96	144
Design(element × fibre per tube)		6x6	6x12	8x12	12x12
Inner sheath nominal thickness		0.8	0.8	0.8	0.8
Outer sheath nominal thickness	mm	1.8	1.8	1.8	1.8
Cable nominal Diameter	mm	13.5	13.9	15.3	18.3
Cable Weight	kg / km	179	190	225	310
Min. bending radius		Without Tension 15 x Cable-Ø		Under Maximum Tension 20 x Cable-Ø	
Temperature range	°C	Installation -10 -> +50;	Transport. & Storage -40 -> +70 ;	Operation -40 -> +70	

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

Main characteristics

Test	Standard	Value	Sanction*
Tensile tension	IEC 60794-1-2-E1	2700N	fibre strain ≤ 0.6%, Δα reversible
Crush(short term)	IEC 60794-1-2-E3	2200 N / 100mm	Δα ≤ 0.1 dB
Temperature range	IEC 60794-1-2-F1	-40 -> +70°C	Δα ≤ 0.1 dB /km
Water Penetration	IEC 60794-1-2-F5B	sample=3m, water=1m	No water leakage after 24 hour

\* 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 Double Jacket Armored Cable.  
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

Buffer Tube Colours

Tube No.	1	2	3	4	5	6	7	8	9	10	11	12
Tube Colour	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua

Fillers are black

Sheath Colour:

The inner and outer sheath colour is black.

Sheath Marking:

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

OPTICAL FIBER YYYY <fiber number & type> ARMORED CABLE XXXXM

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

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

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