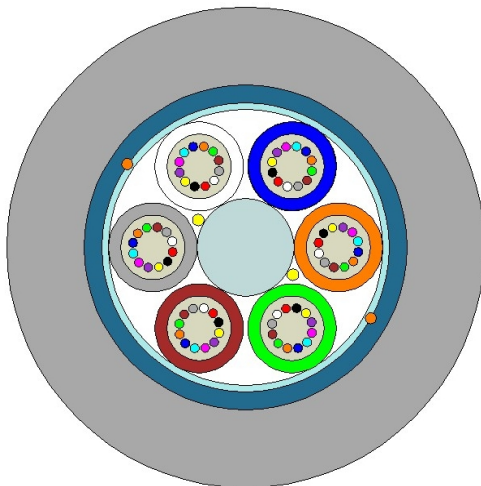


24F 36F 48F 72F 96F 144F Single Armor Single Jacket Cable, LSZH Sheath**Cable Design****IEC/EN 60794-3-10**

- not to scale -

- **Central strength member (CSM):** glass fibre reinforced plastic rod (FRP).
- **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

Technical data

| No. of Fibres | | 24 | 36, 48, 72 | 96 | 144 |
|-------------------------------------|---------|---------------------------------|--------------------------------------|---------------------------------------|--------------|
| Design (Elements × Fibres per Tube) | | 6x6 | 6x12 | 8x12 | 12x12 |
| Outer sheath thickness | mm | 1.8 | 1.8 | 1.8 | 1.8 |
| Cable Diameter | mm | 11.9 nominal | 12.3 nominal | 13.7 nominal | 16.6 nominal |
| Cable Weight | kg / km | 164 | 171 | 209 | 301 |
| 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 | 1500N | fibre strain ≤ 0.6%, Δα reversible |
| Crush | IEC 60794-1-2-E3 | 1500N / 100mm | Δα ≤ 0.1 dB (SM), 0.3 dB (MM), cable integrity |
| Temperature Cycling | IEC 60794-1-2-F1 | -40 -> +70°C | Δα ≤ 0.1 dB /km(SM), 0.3 dB /km(MM) |
| 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 Armored Cable, LSZH Sheath Big OD.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 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 XXF ARMoured CABLE PE SHEATH XXXXM

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

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