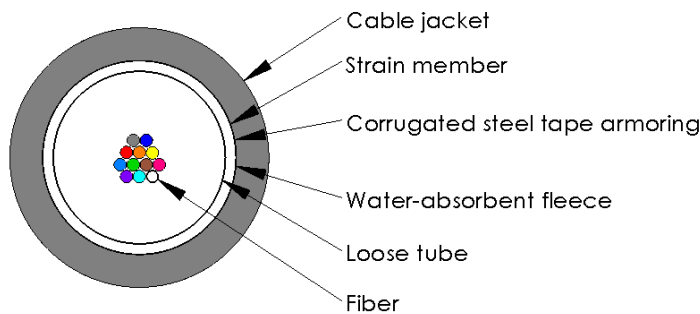


Outdoor Central Loose Tube Cable with 4-24 Fibers and Corrugated Steel Tape Armoring



Application

Series of ISO/IEC 11801

Standards

IEC 50173; IEC 60793; IEC 60794

Construction

| | |
|-----------------------|--|
| Construction | A-DQ(ZN)(SR)2Y |
| Outer jacket | Ø 9.0 mm ± 0.3 mm; UV resistant PE |
| Weight | 85 kg/km |
| Cable marking | TELEGÄRTNER Outdoor – "Standard cable print" "manufacturing date" + "production batch no." "sequential length in meters". |
| Colour cable printing | white |
| Cable core | Loose tube jelly filled (non-dripping and silicon-free) |
| max. 24 fibers | Ø 3.3 mm |
| Fiber colour code | 1-12: red-nature-yellow-blue-green-violet-brown-black-orange-torquoise-pink-white 13-24: red- nature-yellow-blue-green-violet-brown-grey-orange-torquoise-pink-white <u>with rings</u> |
| Strain member | Swellable glass yarns, also used for rodent protection and longitudinal watertightness |

Mechanical characteristics

| | |
|-----------------------------|---|
| Bending radius for fibres | > 25 mm |
| Bending radius static | 20x cable diameter acc. to IEC 60794-1-21-E11 |
| Bending radius dynamic | 20x cable diameter acc. to IEC 60794-1-21-E6 |
| Tensile strength | acc. to IEC 60794-1-21-E1 |
| Installation (short term) | 2400 N |
| Operation (long term) | 1200 N |
| Crush resistance | acc. to IEC 60794-1-21-E3 |
| Installation (short term) | 22 kN/m |
| Operation (long term) | 11 kN/m |
| Longitudinal watertightness | acc. to IEC 60794-1-22-F5 |

Thermal properties

| | |
|-------------------|---------------------------|
| Temperature range | acc. to IEC 60794-1-22-F1 |
| Storage | -30 to +70 °C |
| Installation | -5 to +50 °C |
| Operation | -30 to +70 °C |

Optical properties

Fiber data sheet for OS2: T00004A0014; OM2-OM4: T00004A0015

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Guide to installation and handling

To ease insertion into tubes by means of compressed air or pulling wire, certified lubricants (e.g. paraffin) may be used. The use of soap or similar substances as lubricants is strictly prohibited.

If a cable needs to be fastened, constructions > 0.3 mm must be prevented.

The jelly filling inside the tubes can be removed using a tissue soaked in turpentine.

It is advisable to cap the cable-ends during storage.

Ordering information

Std. plywood reel (non-returnable) Ø 1250 x 688 mm, 93 kg

| Order no. | Standard Cable print | Jacket colour | Barcode EAN13 | Fiber count | Fiber type | Std. delivery length |
|-------------|-----------------------------------|---------------|---------------|-------------|----------------|----------------------|
| L08020D0504 | A-DQ(ZN)(SR)2Y 1x12E9/125 OS2 | black | 4018359510442 | 12 | Singlemode OS2 | 2000 m +5% / -0% |
| L08020D4504 | A-DQ(ZN)(SR)2Y 1x12E9/125 OS2 | black | 4018359508708 | 12 | Singlemode OS2 | 4000 m +5% / -0% |
| L08020D0505 | A-DQ(ZN)(SR)2Y 1x24E9/125 OS2 | black | 4018359510459 | 24 | Singlemode OS2 | 2000 m +5% / -0% |
| L08021D0401 | A-DQ(ZN)(SR)2Y 1x4G50/125 OM2 | black | 4018359510466 | 4 | Multimode OM2 | 2000 m +5% / -0% |
| L08021D0402 | A-DQ(ZN)(SR)2Y 1x6G50/125 OM2 | black | 4018359510473 | 6 | Multimode OM2 | 2000 m +5% / -0% |
| L08021D0403 | A-DQ(ZN)(SR)2Y 1x8G50/125 OM2 | black | 4018359510497 | 8 | Multimode OM2 | 2000 m +5% / -0% |
| L08021D0404 | A-DQ(ZN)(SR)2Y 1x12G50/125 OM2 | black | 4018359510480 | 12 | Multimode OM2 | 2000 m +5% / -0% |
| L08021D0405 | A-DQ(ZN)(SR)2Y 1x24G50/125 OM2 | black | 4018359510503 | 24 | Multimode OM2 | 2000 m +5% / -0% |
| L08021D0601 | A-DQ(ZN)(SR)2Y 1x4G50/125 OM3 | black | 4018359510510 | 4 | Multimode OM3 | 2000 m +5% / -0% |
| L08021D0602 | A-DQ(ZN)(SR)2Y 1x6G50/125 OM3 | black | 4018359510527 | 6 | Multimode OM3 | 2000 m +5% / -0% |
| L08021D0603 | A-DQ(ZN)(SR)2Y 1x8G50/125 OM3 | black | 4018359510534 | 8 | Multimode OM3 | 2000 m +5% / -0% |
| L08021D0604 | A-DQ(ZN)(SR)2Y 1x12G50/125 OM3 | black | 4018359510541 | 12 | Multimode OM3 | 2000 m +5% / -0% |
| L08021D0605 | A-DQ(ZN)(SR)2Y 1x24G50/125 OM3 | black | 4018359510558 | 24 | Multimode OM3 | 2000 m +5% / -0% |
| L08021D0701 | A-DQ(ZN)(SR)2Y 1x4G50/125 OM4 | black | 4018359510565 | 4 | Multimode OM4 | 2000 m +5% / -0% |
| L08021D0702 | A-DQ(ZN)(SR)2Y 1x6G50/125 OM4 | black | 4018359510572 | 6 | Multimode OM4 | 2000 m +5% / -0% |
| L08021D0703 | A-DQ(ZN)(SR)2Y 1x8G50/125 OM4 | black | 4018359510589 | 8 | Multimode OM4 | 2000 m +5% / -0% |
| L08021D0704 | A-DQ(ZN)(SR)2Y 1x12G50/125 OM4 | black | 4018359510596 | 12 | Multimode OM4 | 2000 m +5% / -0% |
| L08021D0705 | A-DQ(ZN)(SR)2Y 1x24G50/125 OM4 | black | 4018359510619 | 24 | Multimode OM4 | 2000 m +5% / -0% |

The editions of the aforementioned standards by the time of 08.01.2018 are valid.