

UC^{FIBRE™} ICT N LSHF-FR 1.0 kN

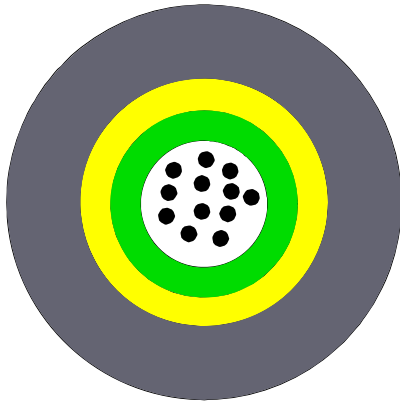
Central tube, 2 – 24 fibres, aramid yarns, FireRes[®] sheath

DIN/VDE J- D(ZN)H

NO

FR

DK



Application and Installation

This cable can be used for LAN backbones, where an IEC 60332-3-24 (IEC 60332-3C) fire test is requested, and rodent protection is not an issue.

The cable can be installed on trays, in ducts.

Standards

EN 187 000
IEC 60794-2
IEC 60794-2-20
IEC 60794-2-21
ISO 11801 2nd edition
EN 50 173-1

Construction

| | | | |
|-------------------|---|-----------|---------------------------------|
| Loose tube | ø2.8 mm jelly filled loose tube with 2 – 16 fibres; ø3.5 mm loose tube with 24 fibres | | |
| Fibre colour code | 1 | Red | 13 Yellow w/mark per 70 mm |
| | 2 | Green | 14 White w/mark per 70 mm |
| | 3 | Blue | 15 Grey w/mark per 70 mm |
| | 4 | Yellow | 16 Turquoise w/mark per 70 mm |
| | 5 | White | 17 Orange w/mark per 70 mm |
| | 6 | Grey | 18 Pink w/mark per 70 mm |
| | 7 | Brown | 19 Yellow w/mark every 35 mm |
| | 8 | Violet | 20 White w/mark every 35 mm |
| | 9 | Turquoise | 21 Grey w/mark every 35 mm |
| | 10 | Black | 22 Turquoise w/mark every 35 mm |
| | 11 | Orange | 23 Orange w/mark every 35 mm |
| | 12 | Pink | 24 Pink w/mark every 35 mm |
| Strength member | High modulus aramid yarns | | |
| Sheath | 1.5 mm grey FireRes [®] sheath, UV stabilised, EN 50290-2-27 | | |

Note: The Draka policy of continuous improvement may cause in changed specifications without prior notice

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Fire rating

| | |
|--------------------------------|---|
| IEC 60332-1-2 | Single vertical wire test, |
| IEC 60332-3-24 = IEC 332-3C | Vertically-mounted bunched wires and cables |
| IEC 60754-1 | No halogens |
| IEC 60754-2 | No acid matters |
| IEC 61034-2 | No dense smoke |

Heat of combustion

| | | |
|---------------|-----------|------------|
| 2 – 16 fibres | 650 MJ/km | 0.18 kWh/m |
| 24 fibres | 820 MJ/km | 0.23 kWh/m |

Physical properties

IEC 60794-1

| | | |
|---------------------------------|-----|--|
| Nominal outer diameter | - | 2 - 16 fibres: 6 mm 18 - 24 fibres: 6.5 mm |
| Nominal weight | - | 2 - 16 fibres: 35 kg/km 18 - 24 fibres: 45 kg/km |
| Tensile strength (dynamic) | E1 | 1000 N |
| Tensile strength (permanent) | E1 | 500 N |
| Compressive strength (crush) | E3 | 1500N |
| Torsion | E7 | 5 cycles ± 1 turn |
| Kink | E10 | The cables do not form a kink when a loop is drawn together to a diameter 12 times the cable nominal diameter |
| Min. Bending radius | E11 | R = 100 mm |
| Temperature range | F1 | Storage and installation: -20°C to +55°C Operation: -5°C to +40°C The max. attenuation variation in the operational temperature range is: For M6 and M5 fibres: 0.5 dB/km For SM fibres: 0.2 dB/km |

Product codes – ordering information

| Item No. | Fibre count | Product code | Fibre type | Fibre data sheet |
|------------|-------------|--------------|------------|------------------|
| o. request | | | | |

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