

UC^{FIBRE™} I B N LSHF-FR ES9 2.1 2

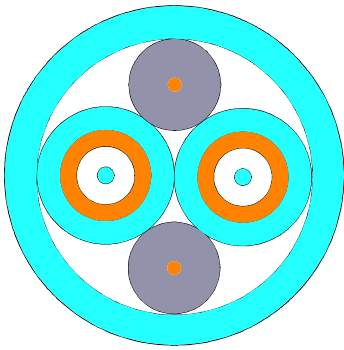
Flexible break out cable with 2 ES9 tightly buffered fibres, aramid yarn, FireRes[®] sheath

DIN/VDE I-V(ZN)HH 2

NO AIAI-I

FR

DK



Application and Installation

Interconnect cabling
LAN horizontal cabling
Patch cord cable
Short distance data-, control- and video transmission
Internal wiring in data centres

Standards

EN 187 000
IEC 60794-2
IEC 60794-2-10
ISO 11801 2nd edition
EN 50 173-1

Construction

| | | |
|---|---|--------|
| Fibre | 2 ES9 tightly buffered fibres 900 µm ± 50 µm. | |
| Fibre color | Natural | |
| Unit strength member | Ultra high modulus Aramid yarns | |
| Unit sheath | FireRes [®] LSHF-FR fire retardant, UV stabilised sheathing material EN 50290-2-27, units in same colours as outer sheath. | |
| Unit dimension | Nominal ø2.1 mm | |
| Unit identification | The 2 units are marked with 1 and 2 respectively per 100 mm along the unit | |
| Filler | 2 Ø 1.4 mm LSHF-FR, EN 50290-2-27, colour grey | |
| Ripcord | 1 | |
| Outer sheath | FireRes [®] LSHF-FR fire retardant, UV stabilised sheathing material EN 50290-2-27 | |
| Sheath colours according to IEC 60794-2 | Cable with SM fibres | Yellow |
| | Cable with M5 fibres | Orange |
| | Cable with M6 fibres | Grey |
| | Cable with OM3 and OM4 fibres | Aqua |

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

UC^{FIBRE™} I B N LSHF-FR ES9 2.1 2

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

| | |
|-----------|------------|
| 475 MJ/km | 0.13 KWh/m |
|-----------|------------|

Physical properties

IEC 60794-1-2

| | | |
|------------------------------|-----|--|
| Nominal dimensions | - | Ø 5.3 mm |
| Nominal weight | - | 30 kg/km |
| Tensile strength (dynamic) | E1 | 500 N |
| Tensile strength (permanent) | E1 | 250 N |
| Compressive strength (crush) | E3 | 3000 N |
| Impact | E4 | 5 Nm; R = 12.5 mm |
| Torsion | E7 | 5 cycles ± 1 turn |
| Min. Bending radius | E11 | R = 15 mm |
| Temperature range | F1 | Operation and installation: -20°C to 60°C. Storage: -20°C to 60°C |

Product codes – ordering information

| Item No. | Fibre count | Product code | Fibre type | Fibre data sheet |
|------------|-------------|--|---|------------------|
| o. request | 2 | UC ^{FIBRE} I B N LSHF-FR ES9 2.1 2 MM52 | OM2 50/125 multi mode | C01a |
| o. request | 2 | UC ^{FIBRE} I B N LSHF-FR ES9 2.1 2 MM53 | OM3 MaxCap-OM3 | C12 |
| o. request | 2 | UC ^{FIBRE} I B N LSHF-FR ES9 2.1 2 MM62 | OM1 62.5/125 multi mode | C02 |
| o. request | 2 | UC ^{FIBRE} I B N LSHF-FR ES9 2.1 2 SM2D | OS2 Single mode | C18e |
| o. request | 2 | UC ^{FIBRE} I B N LSHF-FR ES9 2.1 2 SM7B | BendBright ^{XS} ® G.675. A / B | C24 |

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