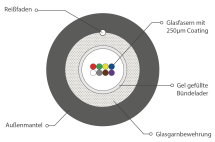
# DATASHEET

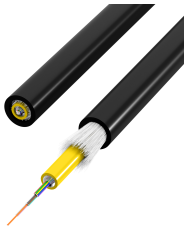
## INFRALAN® U-DQ(ZN)BH OM4 8G (1x8) Eca 2000N LSZH black 5.8mm











### General data

The fiber optic cable with a central, gel-filled loose tube and up to 24 fibers is ideal for structured cabling. Thanks to a high tensile strength of 2000N, it is designed for both indoor and outdoor applications. The dielectric construction with glass yarn reinforcement makes it longitudinally watertight and offers additional protection through a flame-retardant sheath.
It can be used outdoors, when laid directly underground in sand beds or in shafts, and as a flame-retardant cable indoors.
This cable is versatile for LAN and WAN backbones, telecom access lines, fiber-to-business, fiber-to-the-home and access connections.
Features:
• Universal cable for versatile applications
• The sheath is made of halogen-free, flame-retardant material in accordance with IEC 60332-1-2 and Eurofire class

**This datasheet was created automatically on 02-11-2026 . Technical changes reserved.**

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## INFRALAN® U-DQ(ZN)BH OM4 8G (1x8) Eca 2000N LSZH black 5.8mm

Eca.
• Suitable for connector assemblies, supports easy integration into existing networks
• Metal-free and longitudinally watertight
• Rodent-proof and flame-retardant
• The cable diameter can vary depending on the design and number of fibers
• DIN/VDE: U-DQ(ZN)BH

| **Technical properties** | |
|---|---|
| Application | Inside/outside |
| Armouring | True |
| Blow in | False |
| Cable metal free | True |
| Cable silicone free | True |
| Circuit integrity | False |
| Colour outer sheath | black |
| Crush resistance | 2000 N/dm |
| Fiber Colours | white |
| Fiber marking | Colour |
| Fibre category | OM4 |
| Fibre type | Multi mode 50/125 |
| Flame retardant | acc. to EN 60332-1-2 |
| Halogen free | acc. to EN 60754-1/2 |
| Harmonised Standard | EN 50575 |
| IL max. (dB/km) 1300nm | 1.0 dB/km |
| IL max. (dB/km) 850nm | 3.0 dB/km |
| Longitudinal water blocking | True |
| Low smoke | True |
| Material outer sheath | LSZH |
| Oil resistant | no |
| Oil resistant (acc. EN 60811-2-1) | False |
| Radial water blocking | True |
| Resistant to chemicals | False |
| Scope of delivery | 1x Cable, 1x Drum |
| Temperature Range (Installation) | -15 – 40 °C |
| Temperature Range (Operation) | -30 – 60 °C |
| Temperature Range (Storage) | -30 – 60 °C |
| Tube marking | Colour |
| Tube Ø | 2.8 mm |

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## INFRALAN® U-DQ(ZN)BH OM4 8G (1x8) Eca 2000N LSZH black 5.8mm

| | |
|---|---|
| Type of tube | Central tube |
| UV resistant | True |
| With rodent protection | True |
| With strain relief | True |

### Available variants

| ArtNr. | Bezeichnung | CPR-Class | Cable Ø | Category | Number of fibres | Tensile force max. | Number of fibres per tube | Construct | Suitable for underground installation | Outer diameter approx. | Fire load | Minimum bending radius (dynamic) | VDE-Name | Weight | Minimum bending radius (static) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54504.2D-E2 | INFRALAN® U-DQ(ZN)BH OM4 4G (1x4) Eca 2000N LSZH black 5.8mm | Eca | 5.8 mm | OM4 | 4 | 2000 N | 4 | (1x4) | True | 5.8 mm | 864 MJ/km | 20xOD mm | U-DQ(ZN)BH 4G50/125 | 33.6 kg/km | 10xOD mm |
| 54508.2D-E2 | INFRALAN® U-DQ(ZN)BH OM4 8G (1x8) Eca 2000N LSZH black 5.8mm | Eca | 5.8 mm | OM4 | 8 | 2000 N | 8 | (1x8) | True | 5.8 mm | 864 MJ/km | 20xOD mm | U-DQ(ZN)BH 8G50/125 | 33.6 kg/km | 10xOD mm |
| 54512.2D-E2 | INFRALAN® U-DQ(ZN)BH OM4 12G (1x12) Eca 2000N LSZH black 5.8mm | Eca | 5.8 mm | OM4 | 12 | 2000 N | 12 | (1x12) | True | 5.8 mm | 864 MJ/km | 20xOD mm | U-DQ(ZN)BH 12G50/125 | 33.6 kg/km | 10xOD mm |
| 54524.2D-E2 | INFRALAN® U-DQ(ZN)BH OM4 24G (1x24) Eca 2000N LSZH black 5.8mm | Eca | 5.8 mm | OM4 | 24 | 2000 N | 24 | (1x24) | True | 5.8 mm | 864 MJ/km | 20xOD mm | U-DQ(ZN)BH 24G50/125 | 33.6 kg/km | 10xOD mm |

**Note on Intended Use**

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.



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