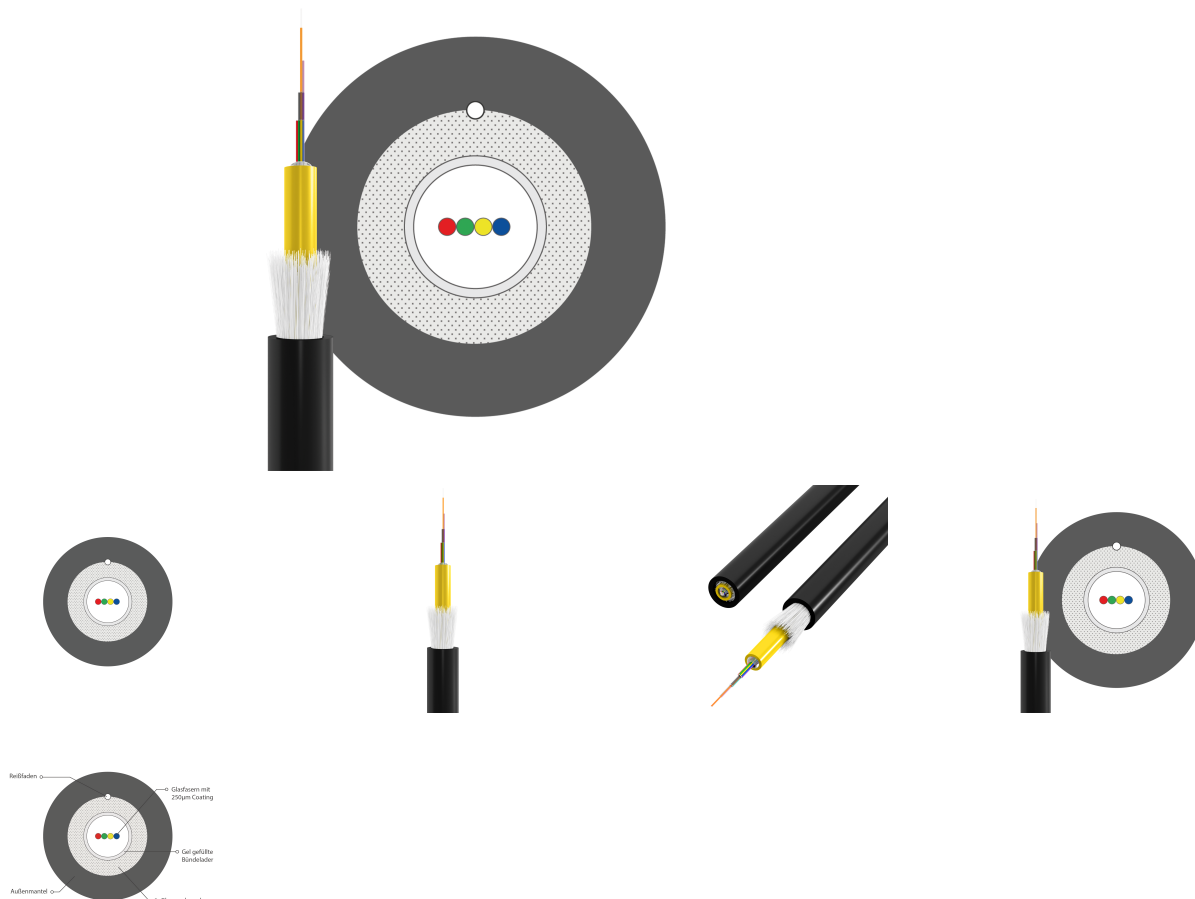


# DATASHEET

**INFRALAN® U-DQ(ZN)BH OS2 4E (1x4) Eca 3000N LSZH**  
**black, 7.5mm G657A1**



## General data

Fiber optic cable with a central gel-filled loose tube and up to 24 fibers, ideal for structured cabling. With a tensile strength of 3000N, it is suitable for both indoor and outdoor applications. The dielectric design includes a glass yarn armor that is longitudinally watertight and rodent-proof, as well as a flame-retardant jacket. This cable is versatile for LAN and WAN backbones, telecom access lines, fiber-to-business, fiber-to-the-home and access connections. It can be used outdoors, for direct burial in sand beds or in shafts, and as a flame-retardant cable indoors.

### Features:

- Universal cable for versatile applications
- High tensile strength of 3000N for robust applications
- The jacket is made of halogen-free, flame-retardant material according to IEC 60332-1-2 and Eurofire class Eca.

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# DATASHEET

## INFRALAN® U-DQ(ZN)BH OS2 4E (1x4) Eca 3000N LSZH black, 7.5mm G657A1

- 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                 | 3500 N/dm                 |
| Fiber Colours                    | white                     |
| Fiber marking                    | Colour                    |
| Fibre category                   | OS2 G657A1                |
| Fibre type                       | Single mode 9/125         |
| Flame retardant                  | According to EN 60332-1-2 |
| Halogen free                     | acc. to EN 60754-1/2      |
| Harmonised Standard              | EN 50575                  |
| IL max. (dB/km) 1310nm           | 0.39 dB/km                |
| IL max. (dB/km) 1550nm           | 0.22 dB/km                |
| Longitudinal water blocking      | True                      |
| Low smoke                        | True                      |
| Material outer sheath            | LSZH                      |
| Oil resistant                    | no                        |
| Radial water blocking            | True                      |
| Resistant to chemicals           | False                     |
| Scope of delivery                | 1x Cable, 1x Drum         |
| Temperature Range (Installation) | -15 - 60 °C               |
| Temperature Range (Operation)    | -30 - 70 °C               |
| Temperature Range (Storage)      | -30 - 60 °C               |
| Tube marking                     | Colour                    |
| Tube Ø                           | 2.8 mm                    |
| Type of tube                     | Central tube              |

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# DATASHEET

## INFRALAN® U-DQ(ZN)BH OS2 4E (1x4) Eca 3000N LSZH black, 7.5mm G657A1

|                        |      |
|------------------------|------|
| 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) |
|--------------|------------------------------------------------------------------------|-----------|---------|----------|------------------|--------------------|---------------------------|-----------|---------------------------------------|------------------------|------------|----------------------------------|---------------------|------------|---------------------------------|
| 54404D1E-CPR | INFRALAN® U-DQ(ZN)BH OS2 4E (1x4) Eca 3000N LSZH black, 7.5mm G657A1   | Eca       | 7.5 mm  | OS2      | 4                | 3000 N             | 4                         | (1x4)     | True                                  | 7.5 mm                 | 1285 MJ/km | 20xOD mm                         | U-DQ(ZN)BH 4E9/125  | 51.7 kg/km | 10xOD mm                        |
| 54412D1E-CPR | INFRALAN® U-DQ(ZN)BH OS2 12E (1x12) Eca 3000N LSZH black, 7.5mm G657A1 | Eca       | 7.3 mm  | OS2      | 12               | 3000 N             | 12                        | (1x12)    | True                                  | 7.5 mm                 | 1285 MJ/km | 20xOD mm                         | U-DQ(ZN)BH 12E9/125 | 51.7 kg/km | 10xOD mm                        |
| 54424D1E-CPR | INFRALAN® U-DQ(ZN)BH OS2 24E (1x24) Eca 3000N LSZH black, 7.5mm G657A1 | Eca       | 7.5 mm  | OS2      | 24               | 3000 N             | 24                        | (1x24)    | True                                  | 7.5 mm                 | 1285 MJ/km | 20xOD mm                         | U-DQ(ZN)BH 24E9/125 | 51.7 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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