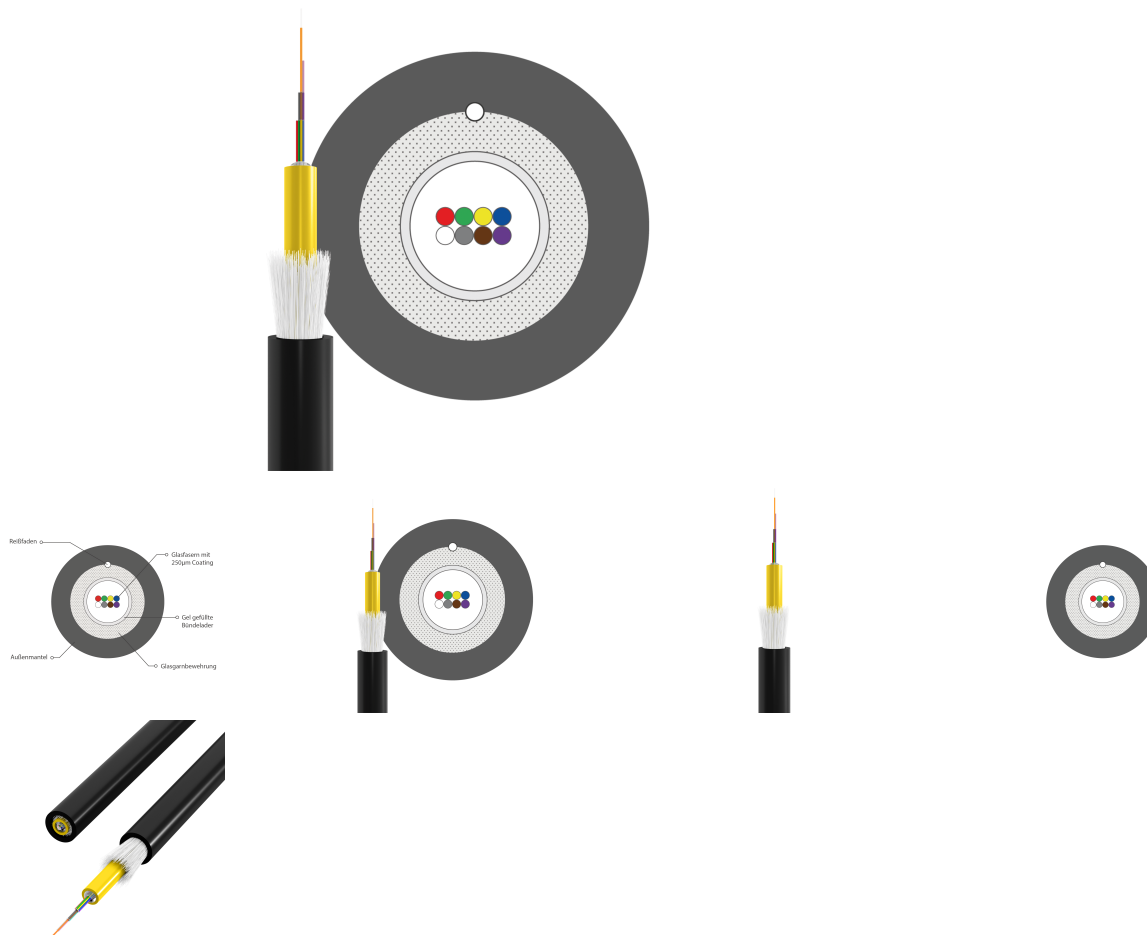


# DATASHEET

**INFRALAN® A-DQ(ZN)B2Y OS2 8E (1x8), Fca 2000N black  
5.8mm G657A1**



## General data

This fiber optic cable with a central, gel-filled loose tube and up to 24 fibers is ideal for outdoor applications in modern telecommunications networks. Its dielectric construction with glass yarn armoring makes it longitudinally watertight and resistant to mechanical stress. A robust LDPE outer jacket further protects the cable from environmental influences.

It can be installed outdoors – directly in the ground (in a sand bed), in pipes, or shafts. Thanks to its metal-free and rodent-resistant design, it is particularly durable and reliable under demanding conditions.

This cable is versatile for LAN and WAN backbones, telecom access lines, fiber-to-business, fiber-to-the-building, and fiber-to-the-home drop and access connections.

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# DATASHEET

## INFRALAN® A-DQ(ZN)B2Y OS2 8E (1x8), Fca 2000N black 5.8mm G657A1

### Features:

- Robust outdoor cable for versatile applications
- Dielectric construction with glass yarns – completely metal-free
- Gel-filled, stranded loose tubes with up to 288 fibers
- Longitudinally watertight
- UV- and weather-resistant LDPE jacket
- Suitable for direct burial in sand beds
- Rodent-resistant and resistant to tensile loads
- DIN/VDE: A-DQ(ZN)B2Y

### Technical properties

|                             |                      |
|-----------------------------|----------------------|
| Application                 | 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              | OS2 G657A1           |
| Fibre type                  | Single mode 9/125    |
| Flame retardant             | False                |
| Halogen free                | acc. to EN 60754-1/2 |
| Harmonised Standard         | -                    |
| IL max. (dB/km) 1310nm      | 0.39 dB/km           |
| IL max. (dB/km) 1550nm      | 0.22 dB/km           |
| Longitudinal water blocking | True                 |
| Low smoke                   | False                |
| Material outer sheath       | Polyethylene (PE)    |
| Oil resistant               | no                   |

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## INFRALAN® A-DQ(ZN)B2Y OS2 8E (1x8), Fca 2000N black 5.8mm G657A1

|                                  |                   |
|----------------------------------|-------------------|
| Radial water blocking            | True              |
| Resistant to chemicals           | False             |
| Scope of delivery                | 1x Cable, 1x Drum |
| Temperature Range (Installation) | -20 - 60 °C       |
| Temperature Range (Operation)    | -20 - 70 °C       |
| Temperature Range (Storage)      | -30 - 60 °C       |
| Tube marking                     | Colour            |
| Tube Ø                           | 2.8 mm            |
| 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. | Minimum bending radius (dynamic) | VDE-Name    | Weight   | Minimum bending radius (static) |
|---------|--------------------------------------------------------------------|-----------|---------|----------|------------------|--------------------|---------------------------|-----------|---------------------------------------|------------------------|----------------------------------|-------------|----------|---------------------------------|
| A12S2F1 | INFRALAN® A-DQ(ZN)B2Y OS2 12E (1x12), Fca 2000N black 5.8mm G657A1 | Fca       | 5.8 mm  | OS2      | 12               | 2000 N             | 12                        | (1x12)    | True                                  | 5.8 mm                 | 20xOD mm                         | A-DQ(ZN)B2Y | 40 kg/km | 10xOD mm                        |
| A24S2F1 | INFRALAN® A-DQ(ZN)B2Y OS2 24E (1x24), Fca 2000N black 5.8mm G657A1 | Fca       | 5.8 mm  | OS2      | 24               | 2000 N             | 24                        | (1x24)    | True                                  | 5.8 mm                 | 20xOD mm                         | A-DQ(ZN)B2Y | 40 kg/km | 10xOD mm                        |
| A4S2F1  | INFRALAN® A-DQ(ZN)B2Y OS2 4E (1x4), Fca 2000N black 5.8mm G657A1   | Fca       | 5.8 mm  | OS2      | 4                | 2000 N             | 4                         | (1x4)     | True                                  | 5.8 mm                 | 20xOD mm                         | A-DQ(ZN)B2Y | 40 kg/km | 10xOD mm                        |
| A8S2F1  | INFRALAN® A-DQ(ZN)B2Y OS2 8E (1x8), Fca 2000N black 5.8mm G657A1   | Fca       | 5.8 mm  | OS2      | 8                | 2000 N             | 8                         | (1x8)     | True                                  | 5.8 mm                 | 20xOD mm                         | A-DQ(ZN)B2Y | 40 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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