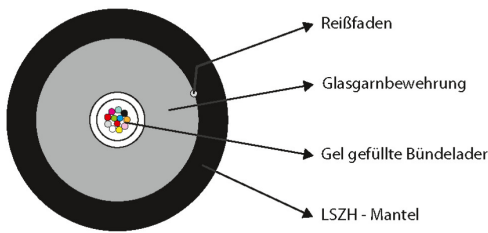


# DATASHEET

INFRALAN® U-DQ(ZN)BH OS2 4E (1x4) Dca 1750N LSZH  
black 7.0mm G657A1



## General data

**Application:**  
For fixed installation indoor and outdoor  
In cable ducts, tubes and interconnections  
Mechanical installation by winch is permitted only when using force meters with recording function  
Not suitable for underground laying (direct buried)

**Characteristics:**  
Universale cable  
Suitable for connector assembly

The cable diameter can vary

## 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          |

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WIR SORGEN FÜR VERBINDUNG  
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# DATASHEET

## INFRALAN® U-DQ(ZN)BH OS2 4E (1x4) Dca 1750N LSZH black 7.0mm G657A1

|                                         |                       |
|-----------------------------------------|-----------------------|
| Crush resistance                        | 1500 N/dm             |
| Fiber Colours                           | white                 |
| Fiber marking                           | Colour                |
| Fibre category                          | OS2 G657A1            |
| Fibre type                              | Single mode 9/125     |
| Flame retardant                         | acc. to EN 60332-3-24 |
| Halogen free                            | acc. to EN 60754-1/2  |
| Harmonised Standard                     | EN 50575              |
| IL max. (dB/km) 1310nm                  | 0.36 dB/km            |
| IL max. (dB/km) 1550nm                  | 0.22 dB/km            |
| Longitudinal water blocking             | True                  |
| Low smoke                               | True                  |
| Low smoke (acc. EN 61034-2)             | True                  |
| Material outer sheath                   | LSZH                  |
| Oil resistant                           | no                    |
| Oil resistant (acc. EN 60811-2-1)       | False                 |
| Radial water blocking                   | True                  |
| Rayleigh Backscatter Coefficient 1310nm | 1.4676                |
| Rayleigh Backscatter Coefficient 1550nm | 1.4682                |
| Resistant to chemicals                  | False                 |
| Scope of delivery                       | 1x Cable1x Drum       |
| Temperature Range (Installation)        | -5 - 50 °C            |
| Temperature Range (Operation)           | -20 - 60 °C           |
| Temperature Range (Storage)             | -25 - 70 °C           |
| Tube marking                            | Colour                |
| Tube Ø                                  | 3.5 mm                |
| Type of tube                            | Central tube          |
| UV resistant                            | True                  |
| With rodent protection                  | True                  |
| With strain relief                      | True                  |

### Available variants

| ArtNr. | Bezeichnung | CPR-Class | Cable<br>Ø | Category of<br>fibres | Number of<br>fibres | Tensile<br>force<br>max. | Number<br>of<br>fibres<br>per<br>tube | Suitable for<br>Construct underground<br>installation | Outer<br>diameter<br>approx. | Fire<br>load | Minimum<br>bending<br>radius<br>(dynamic) | VDE-Name | Weight | Minimum<br>bending<br>radius<br>(static) |
|--------|-------------|-----------|------------|-----------------------|---------------------|--------------------------|---------------------------------------|-------------------------------------------------------|------------------------------|--------------|-------------------------------------------|----------|--------|------------------------------------------|
|--------|-------------|-----------|------------|-----------------------|---------------------|--------------------------|---------------------------------------|-------------------------------------------------------|------------------------------|--------------|-------------------------------------------|----------|--------|------------------------------------------|

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# DATASHEET

## INFRALAN® U-DQ(ZN)BH OS2 4E (1x4) Dca 1750N LSZH black 7.0mm G657A1

|              |                                                                                         |     |           |     |    |        |    |        |      |        |              |             |                        |             |             |
|--------------|-----------------------------------------------------------------------------------------|-----|-----------|-----|----|--------|----|--------|------|--------|--------------|-------------|------------------------|-------------|-------------|
| 54404.1L-CPR | INFRALAN®<br>U-DQ(ZN)BH<br>OS2 4E (1x4)<br>Dca 1750N<br>LSZH black<br>7.0mm<br>G657A1   | Dca | 7.0<br>mm | OS2 | 4  | 1750 N | 4  | (1x4)  | True | 7.0 mm | 0.71<br>MJ/m | 20xOD<br>mm | U-DQ(ZN)BH<br>4E9/125  | 55<br>kg/km | 15xOD<br>mm |
| 54408.1L-CPR | INFRALAN®<br>U-DQ(ZN)BH<br>OS2 8E (1x8)<br>Dca 1750N<br>LSZH black<br>7.0mm<br>G657A1   | Dca | 7.0<br>mm | OS2 | 8  | 1750 N | 8  | (1x8)  | True | 7.0 mm | 0.71<br>MJ/m | 20xOD<br>mm | U-DQ(ZN)BH<br>8E9/125  | 55<br>kg/km | 15xOD<br>mm |
| 54412.1L-CPR | INFRALAN®<br>U-DQ(ZN)BH<br>OS2 12E<br>(1x12) Dca<br>1750N LSZH<br>black 7.0mm<br>G657A1 | Dca | 7.0<br>mm | OS2 | 12 | 1750 N | 12 | (1x12) | True | 7.0 mm | 0.71<br>MJ/m | 20xOD<br>mm | U-DQ(ZN)BH<br>12E9/125 | 55<br>kg/km | 15xOD<br>mm |
| 54424.1L-CPR | INFRALAN®<br>U-DQ(ZN)BH<br>OS2 24E<br>(1x24) Dca<br>1750N LSZH<br>black 7.5mm<br>G657A1 | Dca | 7.5<br>mm | OS2 | 24 | 1750 N | 24 | (1x24) | True | 7.5 mm | 0.79<br>MJ/m | 20xOD<br>mm | U-DQ(ZN)BH<br>24E9/125 | 55<br>kg/km | 15xOD<br>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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