# DIGITUS® Indoor/outdoor installation cable A/I-DQ (ZN) BH 9/125µ OS2, 12 fibers, BauPVO Dca, LSZH, 100 m

**DK-39121-U-0100**

**EAN 4016032505235**


**FO A-I-DQ(ZN)BH 12E9/125µ, SM, OS2, 12 fibers Indoor/Outdoor, LSZH, Dca, black, 100m**

The central loose tube offers a design with high tensile strength and flexibility in a compact cable size. Our central loose tube offers fiber optic data transmission and excellent technical performance. Our regular quality control programs according to ISO90001, REACh and RoHS ensure a high level of quality. Through a thorough qualification test of each product in our portfolio, we guarantee a high level of reliability. Both quality procedures are designed to ensure the indoor and outdoor durability and performance of our cables.

**Future-oriented standards and high-end quality for your network.**

- LSZH - low smoke zero halogen
- UV-resistant
- Resistant to longitudinal and transverse water
- Glass yarn reinforcement
- Non-metallic rodent protection
- Metal-free
- Attenuation at 1310nm : ⊠ max. 0.34 dB/km (before cabling) ; ⊠ max. 0.36 dB/km (after cabling)
- Attenuation at 1550nm: ⊠ max. 0.21 dB/km (before cabling) ; ⊠ max. 0.22 dB/km (after cabling)
- Attenuation at 1625nm : ⊠ max. 0.23 dB/km (before cabling) ; ⊠ max. 0.25 dB/km (after cabling)
- Dispersion zero point : 1302 ~ 1324 nm
- Dispersion gradient : ⊠ 0.092 ps/nm 2 x km
- PMD link value (M=20 cable Q= 0.01%) max. PMDQ : 0.2 ps/⊠km
- Cut-off wavelength (⊠cc) : ⊠ 1260 nm
- Macro bending loss (100 rotations ; ⊠50nm) at 1550 nm : ⊠ 0.05 dB
- Macro bending loss (100 rotations ; ⊠50nm) at 1625 nm : ⊠ 0.10 dB
- Mode field diameter at 1310nm : 9.2 ± 0.4 µm
- Sheath diameter : 125 ± 1 µm
- Core-shell concentricity error : ⊠ 0.6 µm
- Sheath out-of-roundness : ⊠ 1.0 %
- Yield strength : ⊠ 0.69 Gpa
- Number of fibers (OS2 G.652D) : 2-12 pcs.
- max. number of loose tubes : 1 pc.
- Number of fibers per loose tube : 2-12 pcs.
- loose tube : 2.0 ± 0.2 mm
- Outer sheath material : LSZH, BauPVO Dca, EN 50575: 2014+A1: 2016
- Outer cable diameter : 6.5 ± 0.5 mm
- Max. permissible tensile force : 1400 N
- Crush resistance : 1000/200 N/100mm
- Temperature range : Transport and storage : - 40°C to + 70°C ; Installation : - 40°C to + 60°C ; In operation : - 40°C to + 70°C
- Min. bending radius : Installation : 20 x OD ; In operation : 10 x OD

**Attributes**

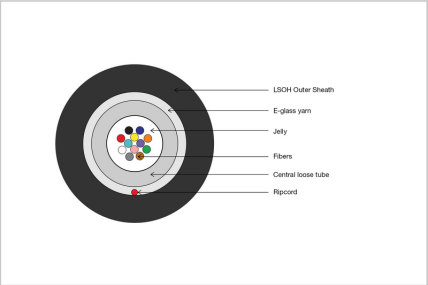
- Application: universal
- Cable diameter: 6.5 mm
- Cable jacket: LSOH
- Cable type: U-DQ (ZN) BH X E 9/125µm
- Color cable: black
- Fiber class: OS2
- Fiber diameter: 9/125µ
- Mode: Singlemode
- Number of fibers: 12
- Length: 100 m

**Package contents**

- 1 x indoor/outdoor installation cable A/I-DQ (ZN) BH 9/125µ OS2, 12 fibers, Dca, LSZH, 100m

| Logistics | | | | | | |
|---|---|---|---|---|---|---|
| | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm³ |
| **Packaging Unit Carton** | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Packaging Unit Inside** | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Packaging Unit Single** | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Net single without Packaging** | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**More images:**




**Safety notes**

- Avoid direct contact with light sources: Fiber optic cables, especially those with active light sources such as lasers (e.g. in optical communication systems), can emit dangerous radiation that can damage
- eyes. Take care never to look directly into the light of an optical fiber, even if the light source is invisible to the naked eye.
- When working with fiber optic cables, especially during tests or when working with lasers, protective goggles should always be worn to protect against harmful radiation.
- When plugging and unplugging the cable, only grasp the plug and do not pull directly on the cable.
- Do not kink or crush: Fiber optic cables are sensitive to mechanical stress.
- To protect cables from physical damage, they should be laid in special ducts or with protective materials
- Keep cable connectors clean: Fiber optic cables are sensitive to dust and dirt. Even small particles on the connectors can severely impair the signal quality.
- Cables should not be used in environments with extremely high or very low temperatures. Observe the product information on the maximum operating temperature of the cable
- Check cables regularly for visible damage such as cracks, kinks or signs of wear. Defective cables should be replaced immediately.

**EU responsible person**

EU based economic operator ensuring the product complies with the required regulations.

ASSMANN Electronic GmbH
Auf dem Schüffel 3
Lüdenscheid, Germany
https://www.assmann.com
info@assmann.com