

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

DK-39121-U-0100  
EAN 4016032505235



## FO A-I-DQ(ZN)BH 12E9/125 $\mu$ , 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 :  $\leq$  max. 0.34 dB/km (before cabling) ;  $\leq$  max. 0.36 dB/km (after cabling)
- Attenuation at 1550nm :  $\leq$  max. 0.21 dB/km (before cabling) ;  $\leq$  max. 0.22 dB/km (after cabling)
- Attenuation at 1625nm :  $\leq$  max. 0.23 dB/km (before cabling) ;  $\leq$  max. 0.25 dB/km (after cabling)
- Dispersion zero point : 1302 ~ 1324 nm
- Dispersion gradient :  $\leq$  0.092 ps/nm 2 x km
- PMD link value (M=20 cable Q= 0.01%) max. PMDQ : 0.2 ps/vkm
- Cut-off wavelength ( $\lambda_{cc}$ ) :  $\leq$  1260 nm
- Macro bending loss (100 rotations ;  $\Phi$ 50nm) at 1550 nm :  $\leq$  0.05 dB
- Macro bending loss (100 rotations ;  $\Phi$ 50nm) at 1625 nm :  $\leq$  0.10 dB

- Mode field diameter at 1310nm :  $9.2 \pm 0.4 \mu\text{m}$
- Sheath diameter :  $125 \pm 1 \mu\text{m}$
- Core-shell concentricity error :  $\leq 0.6 \mu\text{m}$
- Sheath out-of-roundness :  $\leq 1.0 \%$
- Yield strength :  $\geq 0.69 \text{ Gpa}$
- 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 :  $2.0 \pm 0.2 \text{ mm}$
- Outer sheath material : LSZH, BauPVO Dca, EN 50575: 2014+A1: 2016
- Outer cable diameter :  $6.5 \pm 0.5 \text{ mm}$
- Max. permissible tensile force : 1400 N
- Crush resistance : 1000/200 N/100mm
- Temperature range : Transportation and storage :  $-40^\circ\text{C}$  to  $+70^\circ\text{C}$  ; Installation :  $-40^\circ\text{C}$  to  $+60^\circ\text{C}$  ; In operation :  $-40^\circ\text{C}$  to  $+70^\circ\text{C}$
- Min. bending radius : Installation :  $20 \times \text{OD}$  ; In operation :  $10 \times \text{OD}$

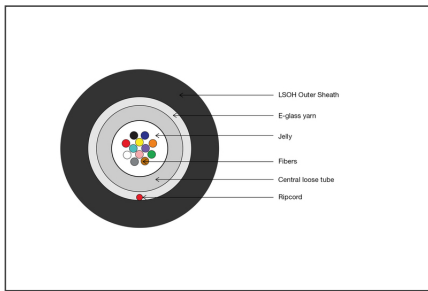
### Attributes

- Application: universal
- Cable jacket: LSOH
- Cable type: U-DQ (ZN) BH X E 9/125 $\mu\text{m}$
- Color cable: black
- Fiber class: OS2
- Mode: Singlemode
- Number of fibers: 12

### Package contents

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

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm <sup>3</sup>
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	1	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 Schöffel 3  
Lüdenscheid, Germany  
<https://www.assmann.com>  
[info@assmann.com](mailto:info@assmann.com)