Datasheet

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 (λcc) : ≤ 1260 nm
- Macro bending loss (100 rotations ; Φ50nm) at 1550 nm : ≤ 0.05 dB
- Macro bending loss (100 rotations ; Φ50nm) 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 : Transportation 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

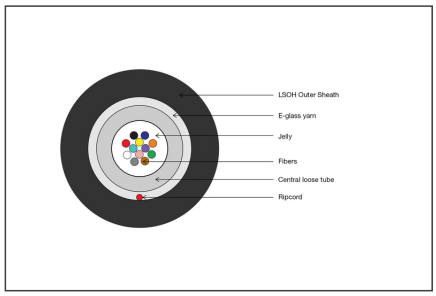
- Application: universal
- Cable jacket: LSOH
- Cable type: U-DQ (ZN) BH X E 9/125µm
- Color cable: black
- Fiber class: OS2
- Mode: Singlemode
- Number of fibers: 12

Package contents

- 1 x indoor/outdoor installation cable A/I-DQ (ZN) BH 9/125µ 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	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.

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