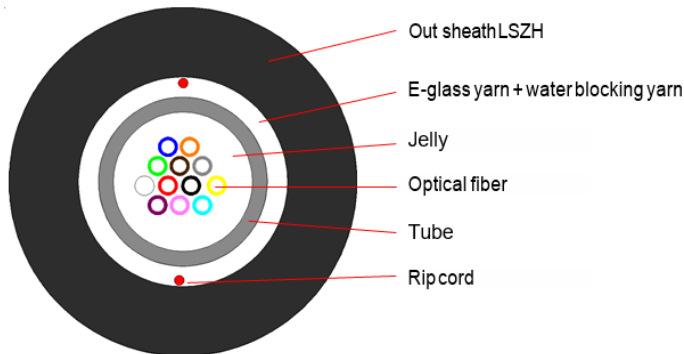


## Indoor/Outdoor A/I-DQ (ZN) BH 50/125µ OM2 Tube Installation Cable



✓ OM2 50/125µ

✓ Central Tube 4 - 12 fiber

✓ Non-metallic rodent protection

✓ LSZH, CPR D<sub>ca</sub>

### Abstract

Indoor/Outdoor A/I-DQ (ZN) BH 50/125µ OM2 Installation Cable, CPR D<sub>ca</sub>, LSZH

### Application areas

Primary (Campus), Secondary (Riser), Tertiary (Horizontally)  
IEEE 802.3: up to 10Gbit/s

### Norms

EN 60793; EN 60794-1; EN 50173-1; ISO/IEC 11801 3rd Edition

### Fiber information

The multimode fiber is composed of high-purity silica and germanium-doped silica to create the graded core-index. The highly controlled manufacturing process ensures constant high quality and performance.

The OM2 fiber is suitable for medium data-rate applications and short distances in building and campus communication networks.

### Optical Properties

Core diameter	50±2.5 µm
Cladding diameter	124.8±1.0 µm
Cladding non-diameter	≤1.0 %
Core-cladding concentricity error	≤1.5 µm
Coating diameter	245±7 µm
Coating non-circularity	≤6.0 %
Cladding-coating concentricity Error	≤12.0 µm
Bandwidth (min)	200 MHz·km @ 850nm 600 MHz·km @ 1300nm
Attenuation coefficient	≤2,7 dB/km @ 850nm ≤0,6 dB/km @ 1300nm

**Mechanical properties**

Faser count (OM2)	2-12 fibers
Max. no of loose tube	11 cores
Anzahl an Fasern pro Ader	2-12 fibers
Loose tube	2.0±0.2mm
Outer sheath material	LSZH, CPR Dca, EN 50575:2014+A1:2016
Cable OD	6.5±0.5 mm
Max. allowable pulling force	1500 N
Crush resistance	1000 N/200 mm
Bending radius	20 x AD min. in installation; 10 x AD min. in operation
Transport and storage temperature	-40 °C bis +70 °C
Installation temperature	-40 °C bis +60 °C
Operation temperature	-40 °C bis +70 °C

**Test requirements**

Attenuation coefficient	IEC 60793-1-40
Chromatic dispersion	IEC 60793-1-42
Mode field diameter	IEC 60793-1-45
Cladding diameter	IEC 60793-1-20
Cladding non-circularity	IEC 60793-1-20
Core/clad concentricity error	IEC 60793-1-20
Cable cutoff wavelength	IEC 60793-1-44

**Fibers and Tube Color Code Scheme**

Fiber color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua
Tube color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

**Product Number Information**

DK-35041/3-U	Universal A/I-DQ (ZN) BH 50/125µ OM2, 4 fibers, CPR Dca, LSZH-1, black cable sheeth
DK-35081/3-U	Universal A/I-DQ (ZN) BH 50/125µ OM2, 8 fibers, CPR Dca, LSZH-1, black cable sheeth
DK-35121/3-U	Universal A/I-DQ (ZN) BH 50/125µ OM2, 12 fibers, CPR Dca, LSZH-1, black cable sheeth