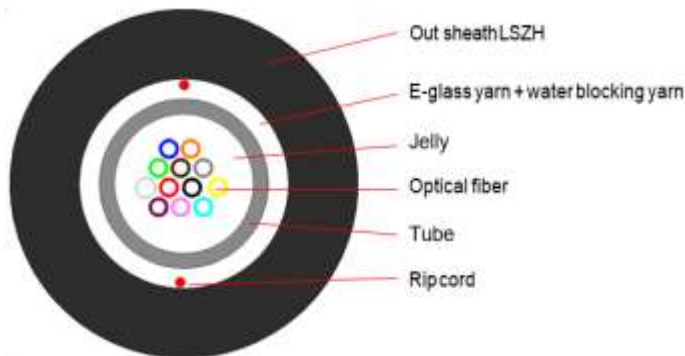


Indoor/Outdoor A/I-DQ (ZN) BH 50/125µ OM2 Tube Installation Cable



- ✓ OM2 50/125µ
- ✓ Central Tube 4 - 12 fiber
- ✓ Non-metallic rodent protection
- ✓ LSZH, CPR D_{ca}

Abstract

Indoor/Outdoor A/I-DQ (ZN) BH 50/125µ OM2 Installation Cable, CPR D_{ca}, 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-U	Universal A/I-DQ (ZN) BH 50/125µ OM2, 4 fibers, CPR Dca, LSZH-1, black cable sheeth
DK-35081-U	Universal A/I-DQ (ZN) BH 50/125µ OM2, 8 fibers, CPR Dca, LSZH-1, black cable sheeth
DK-35121-U	Universal A/I-DQ (ZN) BH 50/125µ OM2, 12 fibers, CPR Dca, LSZH-1, black cable sheeth
DK-35041-U/OR	Universal A/I-DQ (ZN) BH 50/125µ OM2, 4 fibers, CPR Dca, LSZH-1, orange cable sheeth
DK-35081-U/OR	Universal A/I-DQ (ZN) BH 50/125µ OM2, 8 fibers, CPR Dca, LSZH-1, orange cable sheeth
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