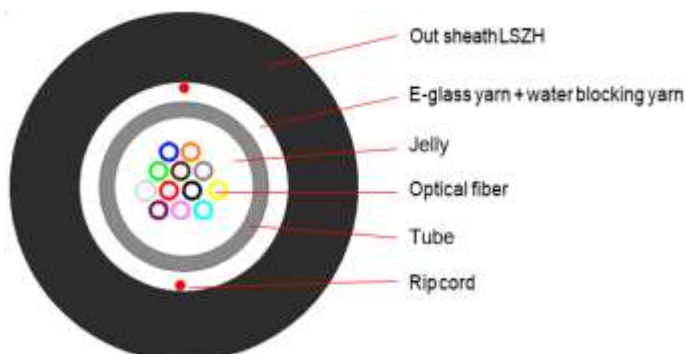


Indoor/Outdoor A/I-DQ (ZN) BH 9/125μ OS2 Central Tube Installation Cable



✓ OS2 9/125μ

✓ Central Tube 4 - 12 fiber

✓ Non-metallic rodent protection

✓ LSZH, CPR D_{ca}

Abstract

Indoor/Outdoor A/I-DQ (ZN) BH 9/125μ OS2 Installation Cable, CPR D_{ca}, LSZH

Application areas

Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
IEEE 802.3: up to 400Gbit/s
ITU-T: G987 (10G-PON)

Norms

EN 60793; EN 60794-1; EN 50173-1; ISO/IEC 11801 3rd Edition;
ISO/IEC 24702; ITU-T G.652.D

Fiber information

The single-mode fiber is composed of high-purity silica and germanium-doped silica. During the manufacturing process PMD (Polarization Mode Dispersion) is controlled to ensure constant high quality and performance.

The OS2 fiber features excellent transmission performance across the full spectrum. It is suitable for use in any type communication networks.

Optical Properties

Attenuation

≤0.34 dB/km (max.) before cabling;
≤0.36 dB/km (max.) after cabling @ 1310 nm
0.21 dB/km (max.) before cabling @ 1550 nm
≤0.22 dB/km (max.) after cabling
≤0.23dB/km before cabling;
≤ 0.25 dB/km after cabling @ 1625 nm

Zero Dispersion Wavelength

1302~1324 nm

Zero Dispersion Slope

≤ 0.092 ps/nm²·km

PMD Link value

(M=20cables Q=0.01%)

maximum PMDQ

0.2 ps/√km

Cable Cutoff Wavelength (λ_{cc})

≤1260 nm

Macro bending Loss

≤ 0.05 dB @ 1550 nm; ≤ 0.10 dB @ 1625 nm



Mode Field Diameter	9.2±0.4μm@ 1310 nm
Cladding Diameter	125 ±1μm
Core/clad concentricity error	≤0.6μm
Cladding Non-Circularity	≤1.0%
Proof stress	≥0.69Gpa
Fiber count (OS2 G.652D)	2-12 Fibers
Max. No of loose tube	1 tube
Fiber No. per tube	2-12 Fibers
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

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

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

Product Number Information

DK-39041-U	Indoor/Outdoor A/I-DQ (ZN) BH 9/125μ OS2, 4 fibers, CPR Dca, LSZH-1, black cable sheeth
DK-39081-U	Indoor/Outdoor A/I-DQ (ZN) BH 9/125μ OS2, 8 fibers, CPR Dca, LSZH-1, black cable sheeth
DK-39121-U	Indoor/Outdoor A/I-DQ (ZN) BH 9/125μ OS2, 12 fibers, CPR Dca, LSZH-1, black cable sheeth
DK-39041-U/Y	Indoor/Outdoor A/I-DQ (ZN) BH 9/125μ OS2, 4 fibers, CPR Dca, LSZH-1, yellow cable sheeth
DK-39081-U/Y	Indoor/Outdoor A/I-DQ (ZN) BH 9/125μ OS2, 8 fibers, CPR Dca, LSZH-1, yellow cable sheeth
DK-39121-U/Y	Indoor/Outdoor A/I-DQ (ZN) BH 9/125μ OS2, 12 fibers, CPR Dca, LSZH-1, yellow cable sheeth