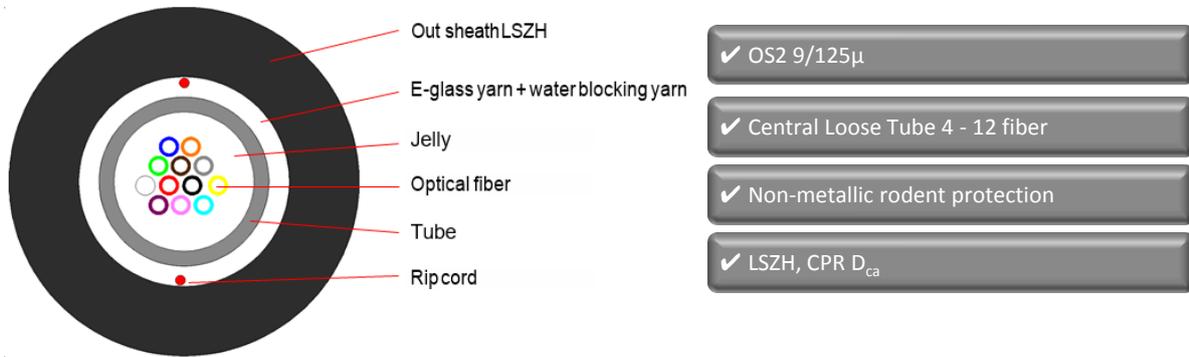


DIGITUS® Professional Indoor/Outdoor A/I-DQ (ZN) BH 9/125μ OS2 Loose Tube Installation Cable



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

Application area

Primary (Campus), Secondary (Riser), Tertiary (Horizontally)
IEEE 802.3: 10Base-T – 100GBase-T
IEEE 802.5: 16 MB; ISDN; FDDI; ATM

Norms

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

Fiber information

The optical fiber is made of high pure silica and germanium doped silica. UV curable acrylate material is applied over fiber cladding as optical fiber primary protective coating. The detail data of optical fiber performance are shown in the following table.

- MM50/125 fiber use special spun device successfully controlled the value of PMD, and make sure that it keeps stable in cabling.
- Approved by optical communication products ministry of quality supervision and
- Inspection center, the connection between OFS fiber in and outside is good .The single-end connect-loss won't be over 0.1 dB and the double-end connect-loss is all little than 0.05dB.
- Apply to non-relay communication network. Features: proof test >1%.

Optical Properties

Attenuation	<p>≤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</p>
Zero Dispersion Wavelength	1302~1324 nm
Zero Dispersion Slope	≤ 0.092 ps/nm ² ·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	1400
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
DK-39081-U	Indoor/Outdoor A/I-DQ (ZN) BH 9/125µ OS2, 8 fibers, CPR Dca, LSZH-1
DK-39121-U	Indoor/Outdoor A/I-DQ (ZN) BH 9/125µ OS2, 12 fibers, CPR Dca, LSZH-1