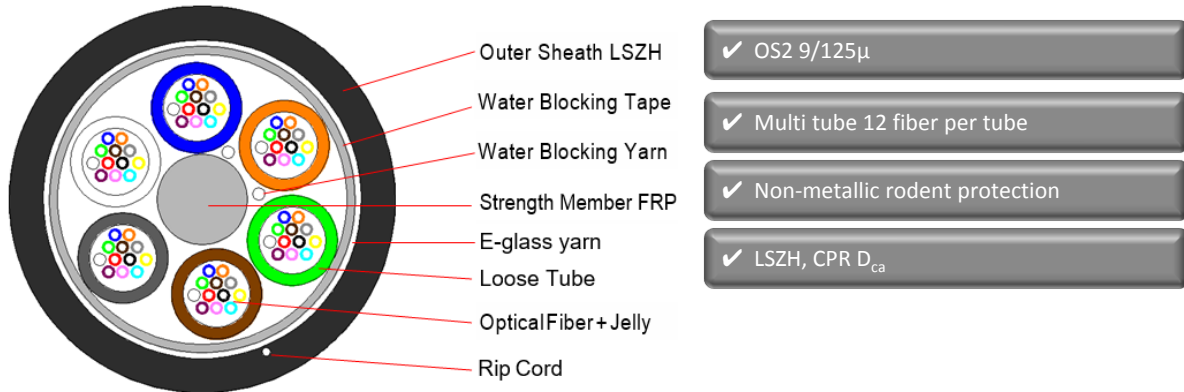


DIGITUS® Professional Indoor/Outdoor A/I-DQ (ZN) BH 9/125μ OS2 Multi Tube Installation Cable



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

- 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	≤ 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 ≤ 0.23 dB/km before cabling; ≤ 0.25 dB/km after cabling @ 1625 nm
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/vkm
Cable Cutoff Wavelength (λ_{cc})	≤ 1260 nm
Macro bending Loss	≤ 0.05 dB @ 1550 nm ≤ 0.10 dB @ 1625 nm
Mode Field Diameter	$9.2 \pm 0.4 \mu\text{m}$ @ 1310 nm
Cladding Diameter	$125 \pm 1 \mu\text{m}$
Core/clad concentricity error	$\leq 0.6 \mu\text{m}$
Cladding Non-Circularity	$\leq 1.0\%$
Proof stress	≥ 0.69 Gpa

Mechanical properties

Fiber count (OS2 G.652)	2~72 fibers
Max. No of loose tube	6 loose tubes
Fiber No. per tube	12 fibers
Loose tube	2.3±0.2mm
Strength member	FRP
Outer sheath material	LSZH, CPR Dca, EN 50575:2014+A1:2016
Outer sheath thickness	1.6mm nominal
Outer sheath diameter	12.0±0.5
Max. allowable pulling force	1500N
Crush resistance	1000N/ 300mm
Cable Weight	300 kg/ km±10%
Standard Length	KMS 4±5%
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-39242-U	Indoor/Outdoor A/I-DQ (ZN) BH 9/125µ OS2, 24 fibers, CPR Dca, LSZH-1
DK-39482-U	Indoor/Outdoor A/I-DQ (ZN) BH 9/125µ OS2, 48 fibers, CPR Dca, LSZH-1