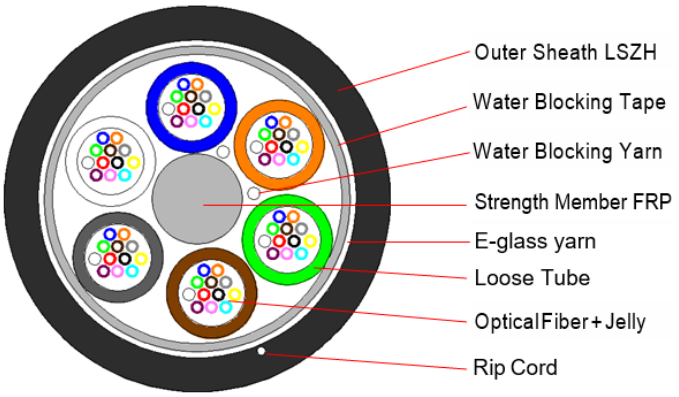
DIGITUS® Indoor/Outdoor A/I-DQ (ZN) BH 50/125µ OM4 Multi Tube Installation Cable



- ✓ OM4 50/125µ
- ✓ Multi tube 12 fiber per tube
- ✓ Non-metallic rodent protection
- ✓ LSZH, CPR D_{ca}

Indoor/Outdoor A/I-DQ (ZN) BH 50/125µ OM4 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 uses special spun devices successfully controlling the value of PMD and making sure that it stays stable in cable.
- 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

Core diameter	50±2.5 µm
Cladding Diameter	124.8±1.0 µm
Core non-circularity	≤5.0%
Cladding non-circularity	≤1.0%
Core-Cladding Concentricity Error	≤1.0 µm
Coating Diameter	245±7 µm
Coating non-circularity	≤6.0%
Cladding-Coating Concentricity Error	≤12.0 µm
OFL Bandwidth	850nm @ ≥3500 MHz·km
	1300nm @ ≥500 MHz·km
Effective Modal Bandwidth	850nm @ ≥4700 MHz·km
	1300nm @ ≥500 MHz·km
Attenuation Coefficient	850nm @ ≤2.3 dB/km
	1300nm @ ≤0.6 dB/km

DIGITUS®

Mechanical properties

Faser count (OM4)	24-72 fibers
Max. no. of loose tube	6 cores
Fiber count	12 fibers
Loose tube	2.3±0.2mm
Outer sheath material	LSZH, CPR D_{ca}, EN 50575:2014+A1:2016
Outer sheath Thickness	1.6 nominal
Cable OD	12.0±0.5 mm
Max. allowable pulling force	1500 N
Crush resistance	1000 N/100 mm
Cable Weight	300 kg±10%
Bending radius	20 x AD min. in installation; 10 x AD min. in operation
Standard Length	4±5% KMS
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-35242/4-U Indoor/Outdoor A/I-DQ (ZN) BH 50/125µ OM4, 24 fibers, CPR Dca, LSZH-1

DK-35482/4-U Indoor/Outdoor A/I-DQ (ZN) BH 50/125µ OM4, 48 fibers, CPR Dca, LSZH-1