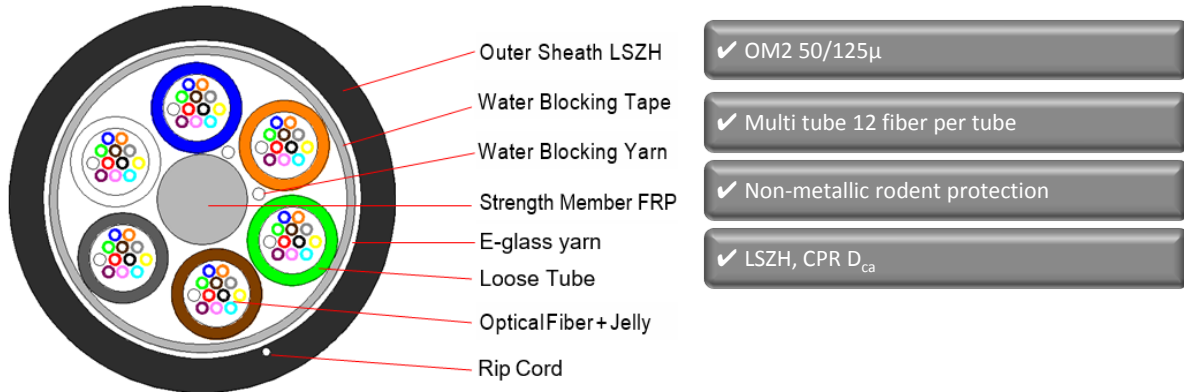


DIGITUS® Professional Indoor/Outdoor A/I-DQ (ZN) BH 50/125µ OM2 Multi Tube Installation Cable



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

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)	2-72 fibers
Max. no of loose tube	6 cores
Anzahl an Fasern pro Ader	12 fibers
Loose tube	1.6±0.2mm
Outer sheath material	LSZH, CPR D _{ca} , EN 50575:2014+A1:2016
Cable OD	12.0±0.5 mm
Max. allowable pulling force	1500 N
Weight cable	300 kg ±10%
Crush resistance	1000 N/300 mm
Standard length	4±5% KMS
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

Abschwächungskoeffizient	IEC 60793-1-40
Chromatische Dispersion	IEC 60793-1-42
Modenfelddurchmesser	IEC 60793-1-45
Manteldurchmesser	IEC 60793-1-20
Kernmantelrundlauffehler	IEC 60793-1-20
Grenzwellenlänge	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-U	Indoor/Outdoor A/I-DQ (ZN) BH 50/125µ OM2, 24 fibers, CPR Dca, LSZH-1
DK-35482-U	Indoor/Outdoor A/I-DQ (ZN) BH 50/125µ OM2, 48 fibers, CPR Dca, LSZH-1