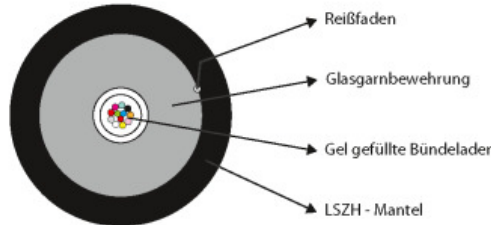


DATASHEET

U-DQ(ZN)BH 50/125 μ OM5 1750N



OM5



Description

Application:

For fixed installation indoor and outdoor

In cable ducts, tubes and interconnections

Mechanical installation by winch is permitted only when using force meters with recording function

Not suitable for underground laying (direct buried)

Characteristics:

Universale cable

Suitable for connector assembly

The cable diameter can vary

General data

Application	indoor/outdoor
Blow in	No
Radial water blocking	False
Longitudinal water blocking	True
Cable metal free	True
With rodent protection	True
Circuit integrity	No

Mechanical characteristics

Crush resistance	150 N/dm
Longitudinally watertight	3/24 m/h

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Cable construction

Fibre type	Multimode 50/125
Fibre category	OM5
Type of tube	Central loose tube
Cable \emptyset	Up to 12 fibers: 3.5 ; Up to 24 fibers: 4.0 mm
Fiber marking	Colour
Tube marking	Colour
Strain relief	True
Armouring	True

Cable sheath

Material outer sheath	LSZH
Euro Class	Dca
Colour outer sheath	black
Flame retardant	acc. EN 60332-3-24
Halogen free	acc. EN 60754-1/2
Low smoke	acc. EN 61034-2
Oil resistant	No
Resistant to chemicals	False

Environmental conditions

Temperature Range (Operation)	-20 – 60 °C
Temperature Range (Storage)	-25 – 70 °C
Temperature Range (Installation)	-5 – 50 °C

Transmission characteristics

Rayleigh Backscatter Coefficient 850nm	1,483
Rayleigh Backscatter Coefficient 1300nm	1,478
IL max. (dB/km) 850nm	2,5
IL max. (dB/km) 1300nm	0,7

Standards, approvals, certifications

Harmonized standard	EN 50575
Transmission standards	IEEE 802.3 10Mbit to 100Gbit

Available variants

Article no.	Title	VDE-Name	Construct	Cable \emptyset	Weight	Bending radius	Tensile Force
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DATASHEET

U-DQ(ZN)BH 50/125 μ OM5 1750N

54504.1OM5-CPR	INFRALAN® U-DQ(ZN)BH 4G 50/125 μ , OM5, LSZH black CPR Dca	U-DQ(ZN)BH 4G50/125	4G (1 x 4) Multimode OM5	7.0 mm	55 kg/km	140 mm	1750 N
54512.1OM5-CPR	INFRALAN® U-DQ(ZN)BH 12G 50/125 μ , OM5, LSZH black CPR Dca	U-DQ(ZN)BH 12G50/125	12G (1 x 12) Multimode OM5	7,0 mm	55 kg/km	140 mm	1750 N
54524.1OM5-CPR	INFRALAN® U-DQ(ZN)BH 24G 50/125 μ , OM5, LSZH black CPR Dca	U-DQ(ZN)BH 24G50/125	24G (1 x 24) Multimode OM5	7.5 mm	60 kg/km	150 mm	1750 N