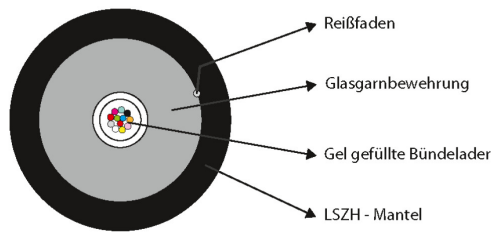


DATASHEET

INFRALAN® U-DQ(ZN)BH 12E 9/125μ, G657A1, LSZH black
CPR Dca



General data

Areas of application:
For connecting buildings
To the campus cabling
For direct burial (according to installation instructions)
For insertion in plastic pipe systems
For installation in cable ducts and on platforms
Saving of splicing work at building entrance

Characteristics:
Easy to process construction
Tearing thread for opening/removing the cable sheath
Gel-free cable construction for clean and quick installation
Small dimensions
High installation stability
Fire behaviour tested and certified according to
Construction Products Ordinance (see Euro Fire Class)

The cable diameter can vary

Allgemeine Daten

UV resistance	True
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DATASHEET

INFRALAN® U-DQ(ZN)BH 12E 9/125μ, G657A1, LSZH black CPR Dca

Longitudinal water blocking	True
Application	Inside/outside
Radial water blocking	True
With strain relief	True

General data

Cable metal free	True
Colour outer sheath	black
(Halogenfree)	acc. EN 60754-1/2
Armouring	True
Blow in	False
Circuit integrity	False
Cable silicone free	True

Mechanical characteristics

Crush resistance	150 N/cm
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Kabelaufbau

Fiber Colours	orange
Fiber marking	Colour
Tube marking	Colour
Type of tube	Central tube
Tube Ø	2.8 mm
Fibre type	Single mode 9/125
Fibre category	OS2

Cable sheath

Flame-retardant	according to EN 60332-1
Oil resistant	No
Jacket Material	LSZH
Low smoke	acc. EN 61034-2

Kabelmantel

Resistant to chemicals	False
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DATASHEET

INFRALAN® U-DQ(ZN)BH 12E 9/125μ, G657A1, LSZH black CPR Dca

Umgebungsbedingungen

Temperature Range (Installation)	-5 - 50 °C
Temperature Range (Storage)	-40 - 70 °C
Temperature Range (Operation)	-20 - 60 °C

Transmission characteristics

Rayleigh Backscatter Coefficient 1310nm	1.4676
Rayleigh Backscatter Coefficient 1550nm	1.4682

Übertragungstechnische Eigenschaften

IL max. (dB/km) 1550nm	0.22 dB/km
IL max. (dB/km) 1310nm	0.36 dB/km

Normen, Zulassungen, Zertifizierungen

Transmission standards	IEEE 802.3 10Mbit to 100Gbit
With rodent protection	True

Standards, approvals, certifications

Low smoke (according to EN 61034-2)	True
Harmonised Standard	EN 50575
Halogen free (according to EN 60754-1/2)	True
Oil resistant (acc. EN 60811-2-1)	False

Available variants

ArtNr.	Bezeichnung	CPR-Class	Cable Ø	Category	Number of fibres	Tensile force max.	Aufbau	Außendurchmesser ca.	Biegeradius	VDE-Bezeichnung	Gewicht
54404.1A-CPR	INFRALAN® U-DQ(ZN)BH 4E 9/125μ, G657A1, LSZH black CPR Dca	Dca	6.0 mm	OS2	4	2000 N	04E (1 x 4) Singlemode G.657.A1	6,0 mm	60 mm	U-DQ(ZN)BH 4E9/125	40 kg/km
54408.1A-CPR	INFRALAN® U-DQ(ZN)BH 8E 9/125μ, G657A1, LSZH black CPR Dca	Dca	6.0 mm	OS2	8	2000 N	08E (1 x 8) Singlemode G.657.A1	6,0 mm	60 mm	U-DQ(ZN)BH 8E9/125	40 kg/km

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DATASHEET

INFRALAN® U-DQ(ZN)BH 12E 9/125μ, G657A1, LSZH black CPR Dca

54412.1A-CPR	INFRALAN® U-DQ(ZN)BH 12E 9/125μ, G657A1, LSZH black CPR Dca	Dca	6.0 mm	OS2	12	2000 N	12E (1 x 12) Singlemode G.657.A1	6,0 mm	60 mm	U-DQ(ZN)BH 12E9/125	40 kg/km
54424.1A-CPR	INFRALAN® U-DQ(ZN)BH 2x12E 9/125μ, G657A1, LSZH black CPR Dca	Dca	7.2 mm	OS2	24	2000 N	24E (2 x 12) Singlemode G.657.A1	7,2 mm	72 mm	U-DQ(ZN)BH 24E9/125	52 kg/km

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