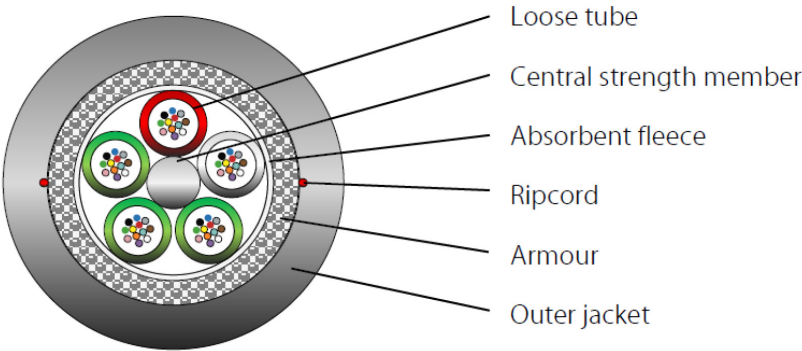


DATASHEET

INFRALAN® U-DQ(ZN)BH OS2 12E (1x12) B2ca 5000N
LSZH black 11.2mm G657A1



General data

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

Allgemeine Daten

UV resistance	True
Armouring	True
Longitudinal water blocking	True
Application	Inside/outside
Jacket Material	LSZH
With strain relief	True
Radial water blocking	False

General data

Cable metal free	True
Colour outer sheath	black

DATASHEET

**INFRALAN® U-DQ(ZN)BH OS2 12E (1x12) B2ca 5000N
LSZH black 11.2mm G657A1**

(Halogenfree)	acc. EN 60754-1/2
Blow in	False
Circuit integrity	False

Mechanical characteristics

Crush resistance	3000 N/dm
------------------	-----------

Mechanische Eigenschaften

Longitudinally watertight	3/24 m/h
---------------------------	----------

Kabelaufbau

Fiber Colours	orange
Fiber marking	Colour
Fibre category	G657.A1
Tube marking	Colour
Fibre type	Single mode 9/125
Type of tube	Stranded loose tube

Cable sheath

Oil resistant	No
Flame-retardant	According to EN 60332-1-2
Low smoke	acc. EN 61034-2

Kabelmantel

Resistant to chemicals	False
------------------------	-------

Umgebungsbedingungen

Temperature Range (Operation)	-40 - 80 °C
Temperature Range (Installation)	-5 - 60 °C
Temperature Range (Storage)	-40 - 80 °C

Transmission characteristics

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

This datasheet was created automatically on 23-04-2025 . Technical changes reserved.



DATASHEET

INFRALAN® U-DQ(ZN)BH OS2 12E (1x12) B2ca 5000N LSZH black 11.2mm G657A1

Übertragungstechnische Eigenschaften

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

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
54408.3LOS2-CPR	INFRALAN® U-DQ(ZN)BH OS2 8E (1x8) B2ca 5000N LSZH black 11.2mm G657A1	B2ca	11.2 mm	OS2	8	5000 N	08E (1 x 8) Singlemode G.657.A1	11,2 mm	170 mm	U-DQ(ZN)BH 8E9/125	136 kg/km
54412.3LOS2-CPR	INFRALAN® U-DQ(ZN)BH OS2 12E (1x12) B2ca 5000N LSZH black 11.2mm G657A1	B2ca	11.2 mm	OS2	12	5000 N	12E (1 x 12) Singlemode G.657.A1	11,2 mm	170 mm	U-DQ(ZN)BH 12E9/125	136 kg/km
54424.3LOS2-CPR	INFRALAN® U-DQ(ZN)BH OS2 24E (2x12) B2ca 5000N LSZH black 11.2mm G657A1	B2ca	11.2 mm	OS2	24	5000 N	24E (2 x 12) Singlemode G.657.A1	11,2 mm	170 mm	U-DQ(ZN)BH 24E9/125	136 kg/km
54448.3LOS2-CPR	INFRALAN® U-DQ(ZN)BH OS2 48E (4x12) B2ca 5000N LSZH black 11.2mm G657A1	B2ca	11.2 mm	OS2	48	5000 N	48E (4 x 12) Singlemode G.657.A1	11,2 mm	170 mm	U-DQ(ZN)BH 48E9/125	136 kg/km

This datasheet was created automatically on 23-04-2025 . Technical changes reserved.

