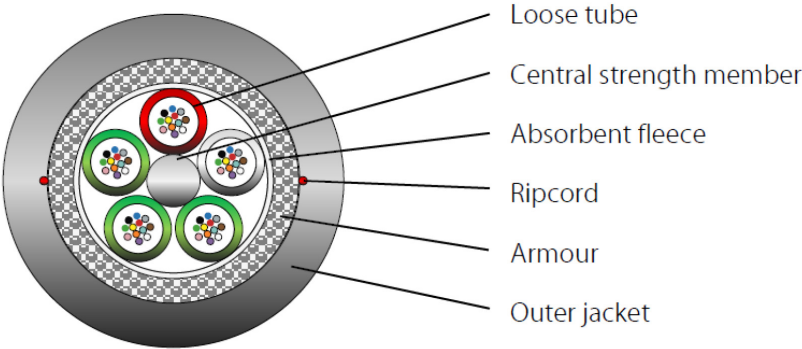


DATASHEET

INFRALAN® U-DQ(ZN)BH OM4 48G (4x12) B2ca 5000N
LSZH black 11.2mm



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

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DATASHEET

**INFRALAN® U-DQ(ZN)BH OM4 48G (4x12) B2ca 5000N
LSZH black 11.2mm**

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

Mechanical characteristics

Crush resistance	3000 N/dm
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Mechanische Eigenschaften

Longitudinally watertight	3/24 m/h
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Kabelaufbau

Fiber Colours	orange
Fibre type	Multi mode 50/125
Fiber marking	Colour
Tube marking	Colour
Fibre category	OM4
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
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Umgebungsbedingungen

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

Transmission characteristics

Rayleigh Backscatter Coefficient 1300nm	1.478
Rayleigh Backscatter Coefficient 850nm	1.483

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DATASHEET

INFRALAN® U-DQ(ZN)BH OM4 48G (4x12) B2ca 5000N LSZH black 11.2mm

Übertragungstechnische Eigenschaften

IL max. (dB/km) 1300nm	0.7
IL max. (dB/km) 850nm	2.5

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 of fibres	Number of fibres	Tensile force max.	Aufbau	Außendurchmesser ca.	Biegeradius	VDE-Bezeichnung	Gewicht
54408.3LOM4-CPR	INFRALAN® U-DQ(ZN)BH OM4 8G (1x8) B2ca 5000N LSZH black 11.2mm	B2ca	11.2 mm	OM4	8	5000 N	8G (1 x 8) Multimode OM4	11,2 mm	170 mm	U-DQ(ZN)BH 8G50/125	136 kg/km
54412.3LOM4-CPR	INFRALAN® U-DQ(ZN)BH OM4 12G (1x12) B2ca 5000N LSZH black 11.2mm	B2ca	11.2 mm	OM4	12	5000 N	12G (1 x 12) Multimode OM4	11,2 mm	170 mm	U-DQ(ZN)BH 12G50/125	136 kg/km
54424.3LOM4-CPR	INFRALAN® U-DQ(ZN)BH OM4 24G (2x12) B2ca 5000N LSZH black 11.2mm	B2ca	11.2 mm	OM4	24	5000 N	24G (2 x 12) Multimode OM4	11,2 mm	170 mm	U-DQ(ZN)BH 24G50/125	136 kg/km
54448.3LOM4-CPR	INFRALAN® U-DQ(ZN)BH OM4 48G (4x12) B2ca 5000N LSZH black 11.2mm	B2ca	11.2 mm	OM4	48	5000 N	48G (4 x 12) Multimode OM4	11,2 mm	170 mm	U-DQ(ZN)BH 48G50/125	136 kg/km

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