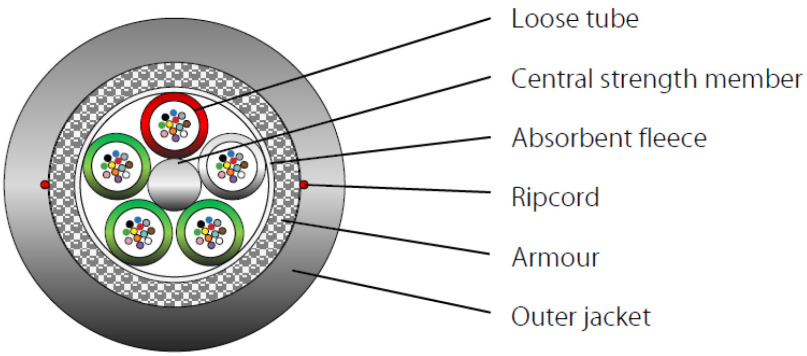
DATASHEET

INFRALAN® U-DQ(ZN)BH OS2 48E (4x12) 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

Technical properties

Application	Inside/outside
Armouring	True
Blow in	False
Cable metal free	True
Cable silicone free	True
Circuit integrity	False
Colour outer sheath	black
Crush resistance	3000 N/dm
Fiber Colours	white
Fiber marking	Colour
Fibre category	OS2 G657A1

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Fibre type	Singlemode 9/125
Flame retardant	acc. to EN 60332-3-22
Halogen free	acc. to EN 60754-1/2
Harmonised Standard	EN 50575
IL max. (dB/km) 1310nm	0.36 dB/km
IL max. (dB/km) 1550nm	0.22 dB/km
Longitudinal water blocking	True
Low smoke	True
Low smoke (acc. EN 61034-2)	True
Material outer sheath	LSZH
Oil resistant	no
Oil resistant (acc. EN 60811-2-1)	False
Radial water blocking	True
Rayleigh Backscatter Coefficient 1310nm	1.4676
Rayleigh Backscatter Coefficient 1550nm	1.4682
Resistant to chemicals	False
Scope of delivery	1x Cable1x Drum
Temperature Range (Installation)	-5 – 60 °C
Temperature Range (Operation)	-40 – 80 °C
Temperature Range (Storage)	-40 – 80 °C
Tube marking	Colour
Tube Ø	2.3 mm
Type of tube	Stranded loose tube
UV resistant	True
With rodent protection	True
With strain relief	True

Available variants

ArtNr.	Bezeichnung	CPR-Class	Cable Ø	Category	Number of fibres	Tensile force max.	Number of fibres per tube	Construct	Suitable for underground installation	Outer diameter approx.	Fire load	Minimum bending radius (dynamic)	VDE-Name	Weight	Minimum bending radius (static)
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	8	(1x8)	False	11.2 mm	1.90 MJ/m	20xOD mm	U-DQ(ZN)BH 8E9/125	136 kg/km	15xOD mm

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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	12	(1x12)	False	11.2 mm	1.90 MJ/m	20xOD mm	U-DQ(ZN)BH 12E9/125	136 kg/km	15xOD mm
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	12	(2x12)	False	11.2 mm	1.90 MJ/m	20xOD mm	U-DQ(ZN)BH 24E9/125	136 kg/km	15xOD mm
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	12	(4x12)	False	11.2 mm	1.90 MJ/m	20xOD mm	U-DQ(ZN)BH 48E9/125	136 kg/km	15xOD mm

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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