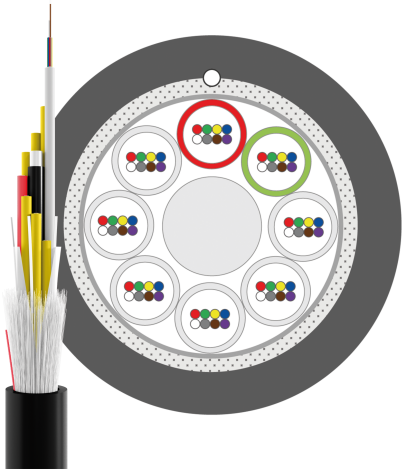
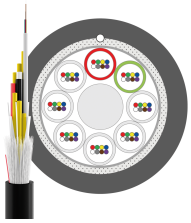
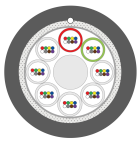
DATASHEET

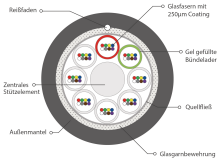
INFRALAN® U-DQ(ZN)BH OS2 96E (8x12) Eca 5000N LSZH black 12.8mm G657A1













General data

This universal fiber optic cable is ideal for LAN, MAN and WAN backbones, both indoors and outdoors. It can be laid directly in the ground (in a sand bed) or in pipes and offers effective rodent protection.
The stranded, gel-filled loose tube ensures reliable, structured cabling. With a metal-free, longitudinally watertight construction and a tensile strength of 5.0 kN, it is particularly robust.
The halogen-free, flame-retardant jacket complies with IEC60332-1 and Eurobrand class Eca, which also makes it safe for indoor use. The cable exceeds the requirements of EN50173-1 and ISO/IEC11801, ideal for high-performance networks.

Technical properties

Application	Inside/outside
Armouring	True

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WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

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INFRALAN® U-DQ(ZN)BH OS2 96E (8x12) Eca 5000N LSZH black 12.8mm G657A1

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
Fibre type	Single mode 9/125
Flame retardant	acc. to EN 60332-1-2
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	0.23 dB/km
Longitudinal water blocking	True
Low smoke	True
Material outer sheath	LSZH
Oil resistant	no
Radial water blocking	True
Resistant to chemicals	False
Scope of delivery	1x Cable, 1x Drum
Temperature Range (Installation)	-15 – 60 °C
Temperature Range (Operation)	-40 – 70 °C
Temperature Range (Storage)	-30 – 60 °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

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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)
54448.1D-E5	INFRALAN® U-DQ(ZN)BH OS2 48E (4x12) Eca 5000N LSZH black 11.2mm G657A1	Eca	11.2 mm	OS2	48	5000 N	12	(4x12)	True	11.2 mm	2725 MJ/km	20xOD mm	U-DQ(ZN)BH 48E9/125	107 kg/km	10xOD mm
54496.1D-E5	INFRALAN® U-DQ(ZN)BH OS2 96E (8x12) Eca 5000N LSZH black 12.8mm G657A1	Eca	12.8 mm	OS2	96	5000 N	12	(8x12)	True	12.8 mm	3299 MJ/km	20xOD mm	U-DQ(ZN)BH 96E9/125	140 kg/km	10xOD 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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