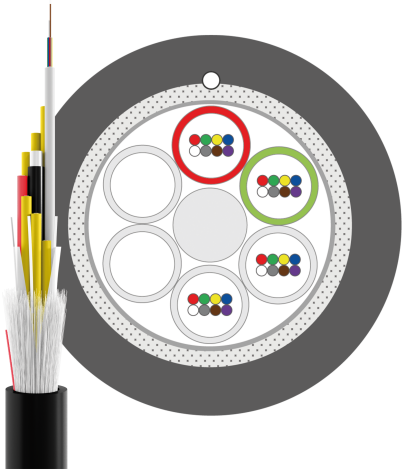
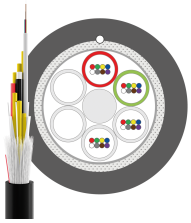
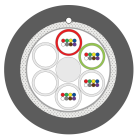
DATASHEET

INFRALAN® U-DQ(ZN)BH OM3 48G (4x12) Eca 5000N LSZH black 11.2mm

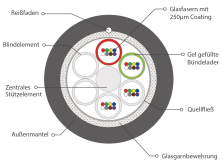












General data

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

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

INFRALAN® U-DQ(ZN)BH OM3 48G (4x12) Eca 5000N LSZH black 11.2mm

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	OM3
Fibre type	Multi mode 50/125
Flame retardant	acc. to EN 60332-1-2
Halogen free	acc. to EN 60754-1/2
Harmonised Standard	EN 50575
IL max. (dB/km) 1300nm	1.0 dB/km
IL max. (dB/km) 850nm	3.0 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)	-20 – 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

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

INFRALAN® U-DQ(ZN)BH OM3 48G (4x12) Eca 5000N LSZH black 11.2mm

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)
54548.1D-E5	INFRALAN® U-DQ(ZN)BH OM3 48G (4x12) Eca 5000N LSZH black 11.2mm	Eca	11.2 mm	OM3	48	5000 N	12	(4x12)	True	11.2 mm	2725 MJ/km	20xOD mm	U-DQ(ZN)BH 48G50/125	107 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.

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION