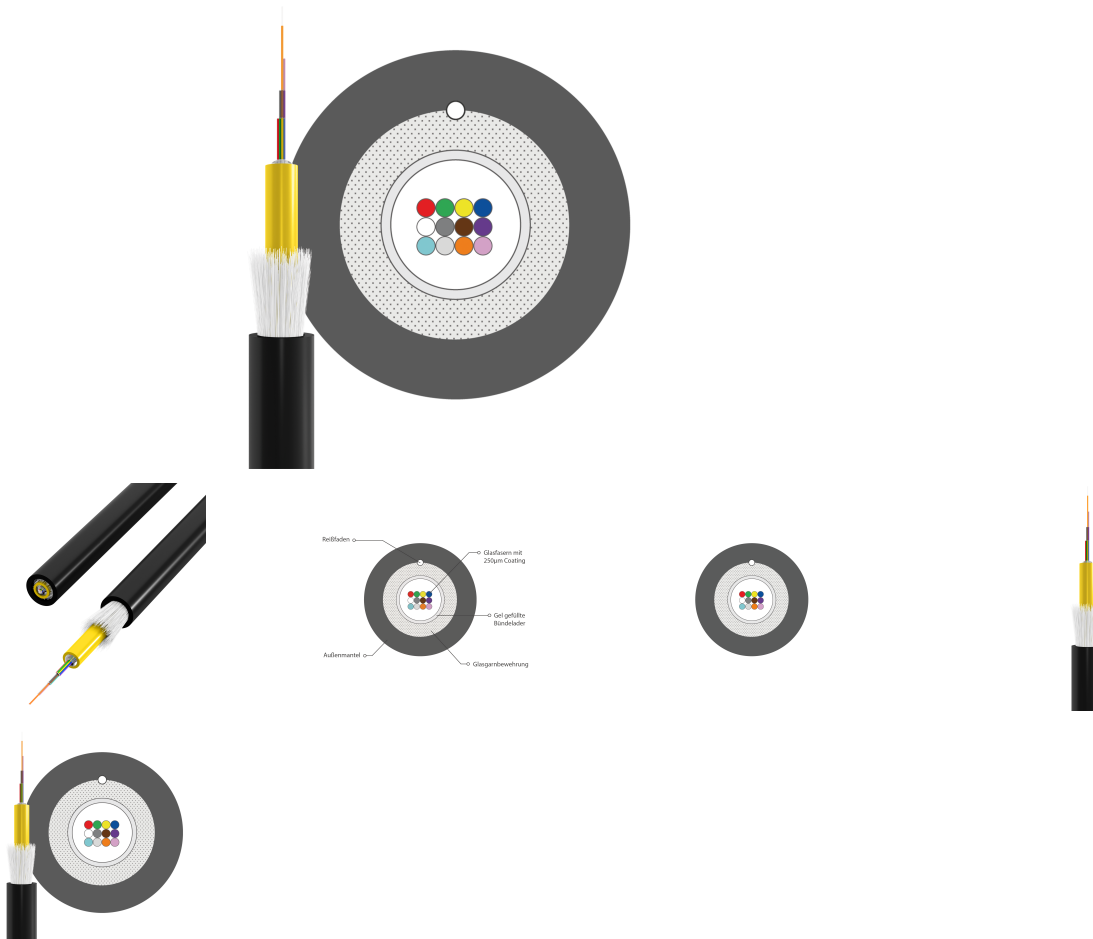


DATASHEET

**INFRALAN® A-DQ(ZN)B2Y OM4 12G (1x12), Fca 2000N
black 5.8mm**



General data

This fiber optic cable with a central, gel-filled loose tube and up to 24 fibers is ideal for outdoor applications in modern telecommunications networks. Its dielectric construction with glass yarn armoring makes it longitudinally watertight and resistant to mechanical stress. A robust LDPE outer jacket further protects the cable from environmental influences.

It can be installed outdoors – directly in the ground (in a sand bed), in pipes, or shafts. Thanks to its metal-free and rodent-resistant design, it is particularly durable and reliable under demanding conditions.

This cable is versatile for LAN and WAN backbones, telecom access lines, fiber-to-business, fiber-to-the-building, and fiber-to-the-home drop and access connections.

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DATASHEET

INFRALAN® A-DQ(ZN)B2Y OM4 12G (1x12), Fca 2000N black 5.8mm

Features:

- Robust outdoor cable for versatile applications
- Dielectric construction with glass yarns – completely metal-free
- Gel-filled, stranded loose tubes with up to 288 fibers
- Longitudinally watertight
- UV- and weather-resistant LDPE jacket
- Suitable for direct burial in sand beds
- Rodent-resistant and resistant to tensile loads
- DIN/VDE: A-DQ(ZN)B2Y

Technical properties

Application	Outside
Armouring	True
Blow in	False
Cable metal free	True
Cable silicone free	True
Circuit integrity	False
Colour outer sheath	black
Crush resistance	2000 N/dm
Fiber Colours	white
Fiber marking	Colour
Fibre category	OM4
Fibre type	Multi mode 50/125
Flame retardant	Nein
Halogen free	acc. to EN 60754-1/2
Harmonised Standard	-
IL max. (dB/km) 1300nm	1.0 dB/km
IL max. (dB/km) 850nm	3.0 dB/km
Jacket material	Polyethylene (PE)
Longitudinal water blocking	True
Low smoke	False
Oil resistant	no

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DATASHEET

INFRALAN® A-DQ(ZN)B2Y OM4 12G (1x12), Fca 2000N black 5.8mm

Radial water blocking	True
Resistant to chemicals	False
Scope of delivery	1x Cable, 1x Drum
Temperature Range (Installation)	-20 – 60 °C
Temperature Range (Operation)	-20 – 70 °C
Temperature Range (Storage)	-30 – 60 °C
Tube marking	Colour
Tube Ø	2.8 mm
Type of tube	Central tube
UV resistant	True
With rodent protection	Ja
With strain relief	True

Available variants

ArtNr.	Bezeichnung	CPR-Class	Cable Ø	Category	Number of fibers	Tensile force max.	Number of fibres per tube	Construct	Suitable for underground installation	Outer diameter approx.	Longitudinal water blocking cable	Radial water blocking cable	Min. permitted bending radius, stationary application/permanent installation	Max. tensile strength during installation	Bending radius	VDE-Name	Weight
A12M4F1	INFRALAN® A-DQ(ZN)B2Y OM4 12G (1x12), Fca 2000N black 5.8mm	Fca	5.8 mm	OM4	12	2000 N	12	(1x12)	True	5.8 mm	True	True	58 mm	2 kN	Installation (loaded) = 116, permanent (unloaded) = 58 mm	A-DQ(ZN)B2Y	40 kg/km
A24M4F1	INFRALAN® A-DQ(ZN)B2Y OM4 24G (1x24), Fca 2000N black 5.8mm	Fca	5.8 mm	OM4	24	2000 N	24	(1x24)	True	5.8 mm	True	True	58 mm	2 kN	Installation (loaded) = 116, permanent (unloaded) = 58 mm	A-DQ(ZN)B2Y	40 kg/km
A4M4F1	INFRALAN® A-DQ(ZN)B2Y OM4 4G (1x4), Fca 2000N black 5.8mm	Fca	5.8 mm	OM4	4	2000 N	4	(1x4)	True	5.8 mm	True	True	58 mm	2 kN	Installation (loaded) = 116, permanent (unloaded) = 58 mm	A-DQ(ZN)B2Y	40 kg/km
A8M4F1	INFRALAN® A-DQ(ZN)B2Y OM4 8G (1x8), Fca 2000N black 5.8mm	Fca	5.8 mm	OM4	8	2000 N	8	(1x8)	True	5.8 mm	True	True	58 mm	2 kN	Installation (loaded) = 116, permanent (unloaded) = 58 mm	A-DQ(ZN)B2Y	40 kg/km

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