DATASHEET

INFRALAN® A-DQ(ZN)B2Y OM3 8G (1x8), 2000N black 5.8mm

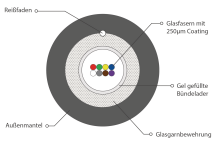












General data

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.

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

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WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

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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	OM3
Fibre type	Multi mode 50/125
Flame retardant	No
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
Longitudinal water blocking	True
Low smoke	nein
Material outer sheath	Polyethylene (PE)
Oil resistant	no

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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	True
With strain relief	True

Available variants

ArtNr.	Bezeichnung	Cable Ø	Category	Number of fibres	Tensile force max.	Number of fibres per tube	Construct	Suitable for underground installation	Outer diameter approx.	Minimum bending radius (dynamic)	VDE-Name	Weight	Minimum bending radius (static)
A12M3F1	INFRALAN® A-DQ(ZN)B2Y OM3 12G (1x12), 2000N schwarz 5,8mm	5.8 mm	OM3	12	2000 N	12	(1x12)	True	5.8 mm	20xOD mm	A-DQ(ZN)B2Y	40 kg/km	10xOD mm
A24M3F1	INFRALAN® A-DQ(ZN)B2Y OM3 24G (1x24), 2000N black 5.8mm	5.8 mm	OM3	24	2000 N	24	(1x24)	True	5.8 mm	20xOD mm	A-DQ(ZN)B2Y	40 kg/km	10xOD mm
A4M3F1	INFRALAN® A-DQ(ZN)B2Y OM3 4G (1x4), 2000N black 5.8mm	5.8 mm	OM3	4	2000 N	4	(1x4)	True	5.8 mm	20xOD mm	A-DQ(ZN)B2Y	40 kg/km	10xOD mm
A8M3F1	INFRALAN® A-DQ(ZN)B2Y OM3 8G (1x8), 2000N black 5.8mm	5.8 mm	OM3	8	2000 N	8	(1x8)	True	5.8 mm	20xOD mm	A-DQ(ZN)B2Y	40 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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