DATASHEET

UCFibre A-D(ZN)(SR)2Y OS2 12E (1x12) 3000N, black 8.5mm G657A1



General data

Fiber optic cable with a central, gel-filled loose tube and up to 24 fibers for outdoor applications and direct burial with a tensile strength of 3.000 N. Metal-armored construction with fiber optics, longitudinally watertight, rodent-proof, and PE jacket. Used for LAN and WAN backbones, telecom access lines, fiber-to-business and fiber-to-the-building drop connections, as well as fiber-to-the-home drop and access connections.

Technical properties	
Application	Outside
Armouring	True
Blow in	False
Cable metal free	False
Cable silicone free	True
Circuit integrity	False
Colour outer sheath	black
Crush resistance	2200 N/dm
Fiber Colours	white
Fiber marking	Colour
Fibre category	OS2 G657A1
Fibre type	Single mode 9/125
Flame retardant	No
Halogen free	acc. to EN 60754-1/2
IL max. (dB/km) 1310nm	0.39 dB/km
IL max. (dB/km) 1550nm	0.22 dB/km
Longitudinal water blocking	True
Low smoke	nein
Material outer sheath	Polyethylene (PE)
Oil resistant	no
Radial water blocking	True
Resistant to chemicals	False
Scope of delivery	1x Cable, 1x Drum

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Temperature Range (Installation)	-10 – 60 °C
Temperature Range (Operation)	-20 – 70 °C
Temperature Range (Storage)	-20 – 70 °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	Minimum bending radius (dynamic)	VDE-Name	Weight	Minimum bending radius (static)
A12S2F2	UCFibre A-D(ZN)(SR)2Y OS2 12E (1x12) 3000N, black 8.5mm G657A1	8.5 mm	OS2	12	3000 N	12	(1x12)	True	20xOD mm	A-D(ZN)(SR)2Y	81.4 kg/km	10xOD mm
A24S2F2	UCFibre A-D(ZN)(SR)2Y OS2 24E (1x24) 3000N, black 8.5mm G657A1	8.5 mm	OS2	24	3000 N	24	(1x24)	True	20xOD mm	A-D(ZN)(SR)2Y	81.8 kg/km	10xOD mm
A6S2F2	UCFibre A-D(ZN)(SR)2Y OS2 6E (1x6) 3000N, black 8.5mm G657A1	8.5 mm	OS2	6	3000 N	6	(1x6)	True	20xOD mm	A-D(ZN)(SR)2Y	81.2 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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