

GUARDSHEATH® BFSLI 0,6/1 kV

20-07-2026

Properties

Application:

Environmental friendly, fire resistant and radial water blocking power cables 0,6/1 kV with stranded copper conductor.
Suitable for direct burial in chemically contaminated soil.
Suitable for use in zone 1 and zone 2 group II classified areas (IEC 60079-14). Requirements for Annex C (restricted breathing test) excluded.

Characteristics (properties):

- Environmental friendly
- Chemical resistant with a GUARD-Sheath protective layer
- Halogen-free and low smoke, flame retardant
- Fire resistant according IEC 60331-1/2



Specifications

Suitable as installation cable	Yes
Standardization	Gen. IEC 60502-1
Conductor material	Copper
Conductor surface	Bare
Standardization conductor material	IEC 60228
Shape of conductor	Round
Conductor category	Class 2 = stranded
Material core insulation	Mica + XLHFFR
Conductor coding in accordance with HD 308 S2	Yes
Stranding	Stranded with fixed lay + filling
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Black
Fire resistant	IEC 60331-1/2



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Specifications

Halogen free	IEC 60754-1 / IEC 60754-2
Low smoke	IEC 61034-1 & IEC 61034-2
Radial water blocking	Yes
Radial watertight construction	GUARD-Sheath
Resistant to chemicals	Yes
Protective sheath	GUARD-Sheath
UV resistant	Yes
UV protection	NEN EN 50289-4-17A
UV rating	Very good / Test duration ≥ 6000 h
Rodent protected	Nylon skin
Rodent resistant	Yes
Max. permitted conductor temperature	90 °C
Permitted cable outer temperature during assembling/handling	0 / 70 °C
Nominal voltage U0	0,6 kV
Nominal voltage U	1 kV
Test voltage	3,5 kV

2 products

Part number	Construction	Conductor category	Shape of conductor	Colour insulated wires	Outer diameter approx. (mm)	Net weight (kg/km)
27996	4 x 120 mm ² + as60 Black	Class 2 = stranded	Round	Blue - Brown - Black - Grey	67,2	8671
27999	4 x 240 mm ² + as120 Black	Class 2 = stranded	Round	Blue - Brown - Black - Grey	86,6	16068