



Power cable ≥ 1 kV, for permanent installation
Z1G-YMz1Kas Cca 0,6/1 kV

Article number: 175639

02-10-2026

Description

4 x 185 svv + as95

Application:

Armored, halogen-free power cables 0,6/1 kV suitable for all applications described in NEN1010 low-voltage installations and where a higher fire safety is required.
These cables are suitable as ground cables.

Characteristics (properties):

- KEMA-MARK
- Halogen-free

Core identification:

- HD308 S2



* This image may differ from the actual product.

Trading information

Product group	Power cable ≥ 1 kV, for permanent installation
Type	Z1G-YMz1Kas Cca 0,6/1 kV
Net. Weight	9,32 kg/m
Sheath marking	{Length} TKF - Z1G-YMz1Kas Cca-s1,d1,a1 0,6/1 kV 4x185svv+as95 [-CE-] DoP: DoP0008 TWENKAPLUS KEMA-KEUR HALOGEN FREE {Batch}

Trade lengths

Minimal order

	(175639 / 8713182271589)	1 MTR
Reel à 500	(175639H X 500/20 / 8713182280529)	1 PCE
Reel à 1000	(175639H X 1000/30 / 8713182280512)	1 PCE

Construction characteristics

Standardization	K42E-1-5-C / HD 604-5-C / NEN 3618 / EN 50575
-----------------	---



Power cable ≥ 1 kV, for permanent installation
Z1G-YMz1Kas Cca 0,6/1 kV

Article number: 175639

02-10-2026

Construction characteristics

Outdoor use permitted	Yes
Number of cores	4
Nominal cross section conductor	185 mm ²
Conductor material	Copper
Conductor surface	Bare
Standardization conductor material	IEC 60228
Shape of conductor	Sector-shaped
Conductor category	Class 2 = stranded
Material core insulation	Crosslinked polyethylene (XLPE)
Conductor coding in accordance with HD 308 S2	Yes
Colour insulated wires	Blue - Brown - Black - Grey
Protective conductor	No
Stranding	Stranded with fixed lay
Material inner sheath	Flame Retardant Halogen Free Polyolefin Compound
Drain wire	No
Earthscreen construction	Stranded with fixed lay
Armouring/reinforcement	Flat wire
Armouring	Yes
Nominal equivalent cross section of reinforcement	95 mm ²
Material outer sheath	Flame Retardant Halogen Free Polyolefin Compound
Colour outer sheath	Grey
Sector angle conductor	90 °
Sector width conductor	21,8 mm
Sector height conductor	15,6 mm
Diameter conductor	18,5 mm
Insulation thickness	1,6 mm



Power cable ≥ 1 kV, for permanent installation
Z1G-YMz1Kas Cca 0,6/1 kV

Article number: 175639

02-10-2026

Construction characteristics

Diameter over insulation (sector shaped: height sector)	18,8 mm
Inner sheath thickness	1,2 mm
Diameter over inner sheath (nom.)	46,9 mm
Diameter over armouring (nom.)	49,9 mm
Outer sheath thickness	2,7 mm
Outer diameter approx.	52,1 mm
Min. average cable diameter	52 mm
Max. average cable diameter	56,3 mm

Properties

Flame retardant	IEC 60332-1 / IEC 60332-3-22 Cat. A
Flame retardant according to IEC 60332-1-2	Yes
Flame retardant according to IEC 60332-3-22 (Cat A)	Yes
Reaction-to-fire according to EN 13501-6: Class	Cca
Reaction-to-fire according to EN 13501-6: Smoke production	s1
Reaction-to-fire according to EN 13501-6: Flaming droplets/particles	d1
Reaction-to-fire according to EN 13501-6: Acidity	a1
Halogen free	IEC 60754-2
Low smoke	IEC 61034-1 & IEC 61034-2
Suitable for underground installation	Yes
UV resistant	Yes
UV protection	NEN EN 50289-4-17A
UV rating	Mediocre / Test duration $2000 \leq h < 3000$



Power cable ≥ 1 kV, for permanent installation
Z1G-YMz1Kas Cca 0,6/1 kV

Article number: 175639

02-10-2026

Technical characteristics

Min. bending radius during installation	730 mm
Min. permitted bending radius, stationary application/permanent installation	521 mm
Tensile force with pullinghead	10.000 N
Tensile force with pullingsleeve	10.000 N
Max. permitted conductor temperature	90 °C
Minimum installation temperature	0 °C
Permitted cable outer temperature during assembling/handling	0 / 70 °C
Permitted cable outer temperature after assembling without vibration	-40 / 70 °C

Electrical characteristics

Nominal voltage U_0	0,6 kV
Nominal voltage U	1 kV
Test voltage	3,5 kV
Conductor DC resistance @ 20°C	0,0991 Ohm/km
Shield DC resistance	0,193 Ohm/km
Mutual capacitance (Nominal)	0,45 μ F/km
Inductance	0,17 mH/km
Short-circuit current conductor (5 sec)	12,2 kA
Max. short-circuit temperature conductor	250 °C
Short-circuit current shield (5 sec)	6,1 kA
Frequency	50 Hz
Current rating conditions	NEN 1010