

# Power cable

## E-AY2Y-J/O



**Application:** For fixed installation indoors, outdoors, in the ground and in water. It should be noted during installation in cable ducts and interior spaces that the PE-sheath is zero-halogen, yet not flame-retardant as defined under EN 60332-1.

### Construction and technical data:

<b>Standard:</b>	ÖVE/ÖNORM E 8200-603 (HD 603)
<b>Conductor material:</b>	aluminium
<b>Insulation:</b>	PVC
<b>Sheathing material:</b>	polyethylene
<b>Colour of outer sheath:</b>	black
<b>Flame-retardant:</b>	none
<b>UV-resistant:</b>	yes
<b>For outdoor use:</b>	yes
<b>Max. temperature at conductor, °C:</b>	70 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	70 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-5 - +70 °C
<b>Bending radius, fixed installation, multicore:</b>	12 x Ø
<b>Bending radius, fixed installation, singlecore:</b>	15 x Ø



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

### Core identification acc. to HD 308 S2

Number of cores	with protective conductor	without protective conductor
1	green-yellow	black
3	green-yellow, blue, brown	brown, black, grey
4	green-yellow, brown, black, grey	blue, brown, black, grey

## E-AY2Y-J

<b>Nominal voltage U<sub>o</sub>:</b>	0.6 kV
<b>Nominal voltage U:</b>	1 kV
<b>Maximum permitted operating voltage in three-phase systems:</b>	1.2 kV
<b>Test voltage:</b>	4 kV
<b>Protective conductor:</b>	yes

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	I <sub>be</sub> [A]	I <sub>k</sub> [kA]	R <sub>bv</sub> [mm]	Ø [mm]	Al	G [kg]
090536	04X16 RM	1.15	78	101	1.84	252	21	186	550
090537	04X35 SM	0.868	129	159	4.02	300	25	406	730
090362	04X150 SM	0.206	275	246	11.4	534	44.5	1764	2723
090167	04X240 SM	0.125	338	364	18.2	659	54.9	2784	4305

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
I <sub>be</sub>	Ampacity in ground (20 °C)
I <sub>k</sub>	Short-circuit current (1 s)
R <sub>bv</sub>	Bending radius, fixed installation
Ø	outer diameter approx.
Al	Aluminium weight (GER)
G	net weight per 1000