

# Power cable

## E-AY2Y-J/O



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

**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>	copper, bare
<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]	Ø [mm]	Al [kg/km]	G [kg]
090166	01X120 RM	0.253			9.12	19.6	348	537
090347	04X50 SM	0.641	119	144	3.8	29.2	580	1066
090348	04X95 SM	0.32	186	215	7.22	37.4	1102	1843
090362	04X150 SM	0.206	275	246	11.4	44.5	1764	2723
090167	04X240 SM	0.125	338	364	18.2	54.9	2784	4305

## E-AY2Y-O

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<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>	no

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	I <sub>be</sub> [A]	I <sub>k</sub> [kA]	Al [kg/km]	G [kg]
090144	03X240 SM/120	0.125	338	364	18.2	2436	4050

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)
Ø	outer diameter approx.
Al	Aluminium weight (GER)
G	net weight per 1000