# E-YCY-O



## Application

Power cables for energy supply are installed in open air, in underground, in water, indoors, in cable ducts, power stations, for industry and distribution boards as well as in subscriber networks, when increased mechanical protection respectively contact protection is required.

The materials used are free from silicon and cadmium and free from varnish damaging sustances.

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## Standards

ÖVE K 23 and K 603,
flame retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

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## Construction

| | |
|---|---|
| **Inner Conductor** | bare copper conductor solid or stranded, to DIN VDE 0295 cl. 1 or cl. 2, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or cl. 2 |
| **Core Insulation** | Poly vinylchloride (PVC) |
| **Core Color** | HD 308 S2, 7 cores black with continuous white numbers printed |
| **Stranding Elements** | multi cores stranded in layers |
| **Inner Sheath Material** | filler sheath |
| **Overall Shielding** | concentric conductors (copper wires) with copper tape for fixing |
| **Outer Insulation Material** | Polyvinyl chloride (PVC), black |

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# Energiekabel 1kV
# Power Cables 1kV

## Technical Data

| | |
|---|---|
| **Nominal Voltage** | $U_0$/U: 600 /1000 V |
| **Nominal Volatage DC** | $U_0$/U: 900 /1800 V |
| **Test Voltage** | 4000 V |
| **Bending Radius fixed (xD)** | 15 |
| **Operating Temperature solid** | -20 °C bis 70 °C |
| **Operating Temperature moving** | -5 °C bis 70 °C |
| **Short Circuit Temperature** | 160 °C |
| **Short Circuit Duration** | 5 sek. |
| **Fire Classes** | Eca |

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# Power Cables 1kV

| Prod. Nr.<br>Prod. Nr. | Option<br>Option | Dimensions<br>Dimensions | Color<br>Color | Weight (kg/km) approx.<br>Weight (kg/km) approx. | Outer-Diameter (mm) approx.<br>Outer-Diameter (mm) approx. |
|---|---|---|---|---|---|
| 01308028 | O | 2 x 2,5/16 | black - black | 480,0 | 15,0 |
| 01308036 | O | 2 x 4/16 | black - black | 510,0 | 14,7 |
| 01308102 | O | 2 x 6/16 | black - black | 580,0 | 15,2 |
| 01308147 | O | 2 x 10/16 | black - black | 686,0 | 18,3 |
| 01308120 | O | 3 x 1,5/16 | black - black | 389,0 | 14,5 |
| 01308121 | J | 3 x 1,5/16 | black - black | 389,0 | 14,5 |
| 01308105 | O | 3 x 2,5/16 | black - black | 459,0 | 15,0 |
| 01308106 | J | 3 x 2,5/16 | black - black | 459,0 | 15,0 |
| 01308002 | O | 4 x 1,5/16 | black - black | 260,0 | 14,0 |
| 01308003 | O | 4 x 2,5/16 | black - black | 330,0 | 14,0 |
| 01308004 | O | 4 x 4/16 | black - black | 630,0 | 16,0 |
| 01308035 | O | 4 x 6/16 | black - black | 750,0 | 17,6 |
| 01308024 | O | 4 x 10/16 | black - black | 970,0 | 19,6 |
| 01308025 | O | 4 x 16/16 | black - black | 1.143,0 | 22,2 |
| 01308022 | O | 5 x 1,5/16 | black - black | 387,0 | 14,1 |
| 01308117 | J | 5 x 1,5/16 | black - black | 387,0 | 14,1 |
| 01308037 | O | 5 x 2,5/16 | black - black | 580,0 | 15,4 |
| 01308006 | O | 5 x 4/16 | black - black | 730,0 | 17,9 |
| 01308005 | J | 5 x 4/16 | black - black | 730,0 | 17,9 |
| 01308027 | O | 5 x 6/16 | black - black | 860,0 | 19,3 |
| 01308107 | J | 5 x 6/16 | black - black | 860,0 | 19,3 |
| 01308118 | O-re | 5 x 10/16 | black - black | 1.200,0 | 23,7 |
| 01308026 | O-rm | 5 x 10/16 | black - black | 1.200,0 | 23,7 |
| 01308119 | J-re | 5 x 10/16 | black - black | 1.200,0 | 23,7 |

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# Power Cables 1kV

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|---|---|---|---|---|---|
| 01308034 | O | 5 x 16/16 | black - black | 1.475,0 | 26,0 |
| 01308109 | J | 5 x 16/16 | black - black | 1.475,0 | 26,0 |
| 01308007 | O | 7 x 1,5/16 | black - black | 540,0 | 17,0 |
| 01308013 | O | 7 x 2,5/16 | black - black | 630,0 | 16,3 |
| 01308138 | J | 7 x 2,5/16 | black - black | 630,0 | 16,3 |
| 01308038 | O | 7 x 4/16 | black - black | 950,0 | 19,1 |
| 01308140 | O | 7 x 6/16 | black - black | 1.192,0 | 26,0 |
| 01308008 | O | 10 x 1,5/16 | black - black | 660,0 | 18,1 |
| 01308014 | O | 10 x 2,5/16 | black - black | 800,0 | 19,9 |
| 01308031 | O | 12 x 1,5/16 | black - black | 700,0 | 17,6 |
| 01308023 | O | 12 x 2,5/16 | black - black | 890,0 | 20,4 |
| 01308009 | O | 14 x 1,5/16 | black - black | 750,0 | 19,2 |
| 01308015 | O | 14 x 2,5/16 | black - black | 980,0 | 21,4 |
| 01308033 | O | 16 x 1,5/16 | black - black | 720,0 | 21,0 |
| 01308018 | O | 16 x 2,5/16 | black - black | 1.100,0 | 23,0 |
| 01308010 | O | 19 x 1,5/16 | black - black | 900,0 | 20,9 |
| 01308017 | O | 19 x 2,5/16 | black - black | 1.180,0 | 24,0 |
| 01308011 | O | 24 x 1,5/16 | black - black | 1.110,0 | 24,2 |
| 01308016 | O | 24 x 2,5/16 | black - black | 1.450,0 | 27,4 |
| 01308012 | O | 30 x 1,5/16 | black - black | 1.260,0 | 25,5 |
| 01308019 | O | 30 x 2,5/16 | black - black | 1.630,0 | 28,7 |
| 01308020 | O | 37 x 1,5/16 | black - black | 1.300,0 | 27,8 |
| 01308139 | O | 52 x 1,5/16 | black - black | 1.620,0 | 32,0 |

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