

E-XYCY

Application

Outdoor application, protected from solar radiation. Direct buried, in trench or in ducts. Distribution and signal power cable for static outdoor application (with protection against direct UV-irradiation), in ground, in water, within facilities, in cable canals, in concrete, in conditions where heavier mechanical loads and specially tensile strains, are not expected. Used in electric power plants, transformer stations, industrial plants, metropolitan networks and in other electric plants, same as for connection of signalling devices in industry, traffic and similar.

Standards

ÖVE/ÖNORM E 8200-603
EN 60332-1-2

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

Construction

| | |
|----------------------------------|---|
| Inner Conductor | bare copper conductor solid or stranded, to DIN VDE 0295 cl. 1 or cl. 2 |
| Core Insulation | Polyvinylchloride (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 | Polyvinylchloride (PVC), black |



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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 moved (xD) | 12 |
| Bending Radius fixed (xD) | 0 |
| 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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| Prod. Nr. Prod. Nr. | Option Option | Dimensions Dimensions | Color Color | Weight (kg/km) approx. Weight (kg/km) approx. | Outer-Diameter (mm) approx. Outer-Diameter (mm) approx. |
|------------------------|------------------|--------------------------|----------------|--|--|
| 01308122 | O | 2 x 4/16 | black - black | 452,0 | 15,3 |
| 01308043 | J | 3 x 2,5/16 | black - black | 396,0 | 13,9 |
| 01308129 | J | 3 x 240+120/35 | black - black | 9.917,0 | 59,9 |
| 01308083 | O | 4 x 1,5/16 | black - black | 386,0 | 13,8 |
| 01308052 | O | 4 x 2,5/16 | black - black | 441,0 | 14,8 |
| 01308053 | O | 4 x 4,0/16 | black - black | 549,0 | 16,9 |
| 01308054 | O | 4 x 6,0/16 | black - black | 670,0 | 18,4 |
| 01308055 | O | 4 x 10/16 | black - black | 886,0 | 20,7 |
| 01308056 | O | 4 x 16/16 | black - black | 1.189,0 | 23,4 |
| 01308123 | O | 5 x 2,5/16 | black - black | 486,0 | 15,7 |
| 01308057 | J | 5 x 2,5/16 | black - black | 486,0 | 15,7 |
| 01308084 | J | 5 x 4,0/16 | black - black | 618,0 | 17,9 |
| 01308097 | J | 5 x 6,0/16 | black - black | 769,0 | 19,8 |
| 01308146 | O | 5 x 10/16 | black - black | 1.024,0 | 22,2 |
| 01308089 | J | 5 x 10/16 | black - black | 1.024,0 | 22,2 |
| 01308096 | J | 5 x 16/16 | black - black | 1.369,0 | 24,8 |
| 01308098 | J | 5 x 25/16 | black - black | 2.013,0 | 30,1 |
| 01308051 | J | 5 x 35/16 | black - black | 2.568,0 | 33,1 |
| 01308111 | J | 5 x 50/25 | black - black | 3.771,0 | 39,8 |
| 01308134 | J | 5 x 70/35 | black - black | 5.041,0 | 44,2 |
| 01308137 | J | 5 x 95/16 | black - black | 6.552,0 | 49,8 |
| 01308145 | J | 5 x 95/35 | black - black | 6.677,0 | 50,5 |
| 01308142 | J | 5 x 120/16 | black - black | 7.933,0 | 54,0 |
| 01308081 | O | 7 x 1,5/16 | black - black | 486,0 | 15,9 |

| Prod. Nr. Prod. Nr. | Option Option | Dimensions Dimensions | Color Color | Weight (kg/km) approx. Weight (kg/km) approx. | Outer-Diameter (mm) approx. Outer-Diameter (mm) approx. |
|------------------------|------------------|--------------------------|----------------|--|--|
| 01308058 | O | 7 x 2,5/16 | black - black | 569,0 | 17,0 |
| 01308087 | O | 7 x 4,0/16 | black - black | 741,0 | 19,6 |
| 01308091 | O | 7 x 6,0/16 | black - black | 1.192,0 | 26,0 |
| 01308141 | O | 7 x 10/16 | black - black | 1.970,0 | 29,6 |
| 01308086 | O | 12 x 1,5/16 | black - black | 622,0 | 18,6 |
| 01308059 | O | 12 x 2,5/16 | black - black | 752,0 | 20,2 |
| 01308076 | O | 14 x 2,5/16 | black - black | 823,0 | 20,9 |
| 01308060 | O | 19 x 2,5/16 | black - black | 1.034,0 | 23,3 |
| 01308075 | O | 24 x 1,5/16 | black - black | 969,0 | 24,2 |
| 01308110 | O | 24 x 2,5/16 | black - black | 1.230,0 | 26,4 |
| 01308090 | O | 30 x 2,5/16 | black - black | 1.780,0 | 32,6 |