

NYCWY-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 substances.

Standards

DIN VDE 0276-603 & DIN VDE 0276-627,
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.

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 Polyvinyl chloride (PVC)

Core Color acc. to 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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Technical Data

| | |
|-------------------------------------|--------------------------------|
| Nominal Voltage | U ₀ /U: 600 /1000 V |
| Nominal Volatage DC | U ₀ /U: 0 /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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| Prod. Nr. | Option | Dimensions | Color | Weight (kg/km) approx. | Outer-Diameter (mm) approx. | Power Load Earth (A) | Power Load Air (A) | Calorific potential (kWh/m) |
|-----------|--------|---------------|---------------|------------------------|-----------------------------|----------------------|--------------------|-----------------------------|
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| 01310037 | O | 1 x 70 rm/16 | black - black | 989,0 | 18,6 | 0 | 0 | |
| 01310032 | O | 1 x 120 rm/16 | black - black | 1.490,0 | 25,0 | 0 | 0 | |
| 01310036 | O | 1 x 240 rm/16 | black - black | 2.750,0 | 29,2 | 0 | 0 | |
| 01310044 | O | 1 x 300 rf/35 | black - black | 4.090,0 | 37,8 | 0 | 0 | |
| 01310043 | O | 1 x 300 rm/35 | black - black | 4.100,0 | 33,0 | 0 | 0 | |
| 01310001 | O | 2 x 10 re/10 | black - black | 600,0 | 18,0 | 0 | 0 | |
| 01310031 | O | 2 x 16 re/16 | black - black | 650,0 | 19,0 | 0 | 0 | |
| 01310045 | O | 2 x 25 rm/16 | black - black | 1.247,0 | 24,9 | 0 | 0 | |
| 01310041 | O | 2 x 25 rm/25 | black - black | 1.247,0 | 24,9 | 0 | 0 | |
| 01310040 | O | 2 x 35 rm/16 | black - black | 1.495,0 | 26,9 | 0 | 0 | |
| 01310002 | O | 3 x 10 re/10 | black - black | 700,0 | 19,0 | 79 | 60 | |
| 01310004 | O | 3 x 16 re/16 | black - black | 970,0 | 21,0 | 102 | 80 | |
| 01310006 | O | 3 x 25 rm/16 | black - black | 1.438,0 | 25,9 | 133 | 108 | |
| 01310007 | O | 3 x 25 rm/25 | black - black | 1.566,0 | 25,9 | 133 | 108 | |
| 01310009 | O | 3 x 35 sm/16 | black - black | 1.503,0 | 25,0 | 160 | 132 | |
| 01310034 | J | 3 x 35 sm/16 | black - black | 1.503,0 | 25,0 | 160 | 132 | |
| 01310010 | O | 3 x 35 sm/35 | black - black | 1.759,0 | 25,6 | 160 | 132 | |
| 01310012 | O | 3 x 50 sm/25 | black - black | 2.097,0 | 27,9 | 190 | 160 | |
| 01310013 | O | 3 x 50 sm/50 | black - black | 2.324,0 | 28,5 | 190 | 160 | |
| 01310015 | O | 3 x 70 sm/35 | black - black | 2.846,0 | 31,6 | 234 | 202 | |
| 01310016 | O | 3 x 70 sm/70 | black - black | 3.148,0 | 31,6 | 234 | 202 | |
| 01310018 | O | 3 x 95 sm/50 | black - black | 3.868,0 | 36,0 | 280 | 249 | |
| 01310019 | O | 3 x 95 sm/95 | black - black | 4.337,0 | 36,6 | 280 | 249 | |
| 01310021 | O | 3 x 120 sm/70 | black - black | 4.793,0 | 38,7 | 319 | 289 | |

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| 01310022 | O | 3 x 120 sm/120 | black - black | 5.133,0 | 39,1 | 319 | 289 | |
| 01310024 | O | 3 x 150 sm/70 | black - black | 5.906,0 | 46,0 | 357 | 329 | |
| 01310025 | O | 3 x 150 sm/150 | black - black | 6.486,0 | 43,5 | 357 | 329 | |
| 01310027 | O | 3 x 185 sm/95 | black - black | 7.549,0 | 47,6 | 402 | 377 | |
| 01310042 | O | 3 x 185 sm/185 | black - black | 8.500,0 | 51,0 | 402 | 377 | |
| 01310028 | O | 3 x 240 sm/120 | black - black | 9.276,0 | 53,0 | 463 | 443 | |
| 01310003 | O | 4 x 10 re/10 | black - black | 830,0 | 20,0 | 79 | 60 | 1,69 |
| 01310005 | O | 4 x 16 re/16 | black - black | 1.210,0 | 23,4 | 102 | 80 | 2,08 |
| 01310008 | O | 4 x 25 rm/16 | black - black | 1.769,0 | 28,2 | 133 | 108 | 2,67 |
| 01310046 | O | 4 x 25 rm/25 | black - black | 1.769,0 | 28,2 | 133 | 108 | 2,67 |
| 01310011 | O | 4 x 35 sm/16 | black - black | 2.012,0 | 28,7 | 160 | 132 | 2,92 |
| 01310047 | O | 4 x 35 sm/35 | black - black | 2.012,0 | 28,7 | 160 | 132 | |
| 01310014 | O | 4 x 50 sm/25 | black - black | 2.724,0 | 32,3 | 190 | 160 | 3,44 |
| 01310048 | O | 4 x 50 sm/50 | black - black | 2.724,0 | 32,3 | 190 | 160 | |
| 01310017 | O | 4 x 70 sm/35 | black - black | 3.703,0 | 37,2 | 234 | 202 | 4,17 |
| 01310020 | O | 4 x 95 sm/50 | black - black | 5.004,0 | 42,0 | 280 | 249 | 5,33 |
| 01310049 | O | 4 x 95 sm/95 | black - black | 5.004,0 | 42,0 | 280 | 249 | |
| 01310023 | O | 4 x 120 sm/70 | black - black | 6.214,0 | 46,2 | 319 | 289 | 5,94 |
| 01310026 | O | 4 x 150 sm/70 | black - black | 7.183,0 | 50,6 | 357 | 329 | 7,22 |

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|-----------|--------|----------------|---------------|------------------------|-----------------------------|----------------------|--------------------|-----------------------------|
| Prod. Nr. | Option | Dimensions | Color | Weight (kg/km) approx. | Outer-Diameter (mm) approx. | Power Load Earth (A) | Power Load Air (A) | Calorific potential (kWh/m) |
| 01310029 | O | 4 x 185 sm/95 | black - black | 9.392,0 | 56,0 | 402 | 377 | |
| 01310030 | O | 4 x 240 sm/120 | black - black | 12.018,0 | 63,1 | 463 | 443 | |
| 01310035 | O | 4 x 300 sm/150 | black - black | 14.910,0 | 72,0 | 518 | 504 | |
| 01310039 | J | 5 x 35 rm/16 | black - black | 2.665,0 | 33,6 | 0 | 0 | |