

NAYCWY-O



Anwendung

Energieversorgungskabel zur Verwendung in Erde, im Wasser, im Freien, in Innenräumen, Kabelkanälen, für Kraftwerke, Industrie und Schaltanlagen sowie in Ortsnetzen, wenn erhöhter mechanischer Schutz bzw. Schutz gegen Berührungsspannung erforderlich ist.

Die verwendeten Materialien bei der Fertigung sind silikon- und cadmiumfrei und frei von lackbenetzungsstörenden Substanzen.

Normen

DIN VDE 0276-603,
flammwidrig nach VDE 0482-332-1-2,
DIN EN 60332-1-2, IEC 60332-1

CE = Das Produkt ist konform zur EG-Niederspannungsrichtlinie 2014/35/EU.

Aufbau

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|----------------------------|--|
| Innenleiter | Aluminiumleiter mehrdrähtig, nach DIN VDE 0295 Kl. 1 oder Kl. 2, BS 6360 cl. 1 oder cl. 2 bzw. IEC 60228 cl. 1 oder 2 |
| Aderisolierung | Polyvinylchlorid (PVC) |
| Aderfarbcode | nach DIN VDE 0293 bzw. HD 308 S2 |
| Verseilelement | mehradrig in Lagen verseilt |
| Innenmantelmaterial | Füllmischung |
| Gesamtschirmung | aus konzentrischen Leitern mit Kupferbandwendel |
| Außenmantelmaterial | Polyvinylchlorid (PVC), schwarz |

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,
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

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|----------------------------------|---|
| Inner Conductor | Aluminium conductor 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 |
| 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 |

Techn. Daten

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|-------------------------------------|--------------------------------|
| Nennspannung | U ₀ /U: 600 /1000 V |
| Nennspannung Gleichstrom DC | U ₀ /U: 0 /0 |
| Prüfspannung | 4000 V |
| Biegeradius fest (xD) | 15 |
| Betriebstemperatur fest | -20 °C bis 70 °C |
| Betriebstemperatur beweglich | -5 °C bis 70 °C |
| Kurzschlussstemperatur | 160 °C |
| Kurzschlussdauer | 5 sek. |
| Brandklassen | Eca |

Technical Data

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|-------------------------------------|--------------------------------|
| Nominal Voltage | U ₀ /U: 600 /1000 V |
| Nominal Volatage DC | U ₀ /U: 0 /0 |
| Test Voltage | 4000 V |
| Bending Radius fixed (xD) | 15 |
| Operating Temperature solid | -20 °C to 70 °C |
| Operating Temperature moving | -5 °C to 70 °C |
| Short Circuit Temperature | 160 °C |
| Short Circuit Duration | 5 sek. |
| Fire Classes | Eca |

| Art. Nr. Prod. Nr. | Abmessung Dimensions | Farbe Color | Gewicht (kg/km) ca. Weight (kg/km) approx. | Außen-Durchmesser (mm) ca. Outer-Diameter (mm) approx. |
|-----------------------|-------------------------|-----------------|---|---|
| 01341050 | 1 x 240 rm/25 | schwarz - black | 1.457,0 | 30,6 |
| 01341035 | 3 x 25 re/25 | schwarz - black | 1.600,0 | 24,0 |
| 01341047 | 3 x 50 sm/25 | schwarz - black | 1.191,0 | 30,0 |
| 01341037 | 3 x 95 se/95 | schwarz - black | 2.039,0 | 36,6 |
| 01341019 | 3 x 95 sm/50 | schwarz - black | 2.039,0 | 38,1 |
| 01341038 | 3 x 120 se/120 | schwarz - black | 2.464,0 | 39,1 |
| 01341017 | 3 x 120 sm/70 | schwarz - black | 2.464,0 | 41,0 |
| 01341014 | 3 x 150 sm/70 | schwarz - black | 4.450,0 | 42,8 |
| 01341042 | 3 x 185 se/95 | schwarz - black | 3.696,0 | 52,0 |
| 01341029 | 3 x 185 se/185 | schwarz - black | 3.696,0 | 47,6 |
| 01341013 | 3 x 185 sm/95 | schwarz - black | 3.696,0 | 52,0 |
| 01341012 | 3 x 240 sm/120 | schwarz - black | 5.053,0 | 56,8 |
| 01341043 | 3 x 240 sm/240 | schwarz - black | 6.100,0 | 58,0 |
| 01341011 | 4 x 16 re/16 | schwarz - black | 1.210,0 | 23,4 |
| 01341032 | 4 x 25 re/16 | schwarz - black | 1.110,0 | 28,2 |
| 01341010 | 4 x 25 rm/16 | schwarz - black | 1.110,0 | 28,2 |
| 01341023 | 4 x 35 re/16 | schwarz - black | 1.125,0 | 28,7 |
| 01341009 | 4 x 35 sm/16 | schwarz - black | 1.125,0 | 30,0 |
| 01341046 | 4 x 50 re/25 | schwarz - black | 1.472,0 | 32,3 |
| 01341024 | 4 x 50 se/25 | schwarz - black | 1.600,0 | 31,0 |
| 01341007 | 4 x 50 sm/25 | schwarz - black | 1.472,0 | 32,3 |
| 01341025 | 4 x 70 se/35 | schwarz - black | 2.250,0 | 35,0 |
| 01341005 | 4 x 70 sm/35 | schwarz - black | 1.880,0 | 37,0 |
| 01341020 | 4 x 95 se/50 | schwarz - black | 2.900,0 | 43,5 |

| Art. Nr. Prod. Nr. | Abmessung Dimensions | Farbe Color | Gewicht (kg/km) ca. Weight (kg/km) approx. | Außen-Durchmesser (mm) ca. Outer-Diameter (mm) approx. |
|-----------------------|-------------------------|-----------------|---|---|
| 01341008 | 4 x 95 sm/35 | schwarz - black | 2.900,0 | 43,0 |
| 01341006 | 4 x 95 sm/50 | schwarz - black | 2.525,0 | 42,0 |
| 01341021 | 4 x 120 se/70 | schwarz - black | 3.069,0 | 46,5 |
| 01341001 | 4 x 120 sm/70 | schwarz - black | 3.069,0 | 46,0 |
| 01341022 | 4 x 150 se/70 | schwarz - black | 3.642,0 | 50,5 |
| 01341002 | 4 x 150 sm/70 | schwarz - black | 3.642,0 | 50,0 |
| 01341027 | 4 x 185 se/95 | schwarz - black | 4.610,0 | 57,0 |
| 01341003 | 4 x 185 sm/95 | schwarz - black | 4.610,0 | 57,0 |
| 01341026 | 4 x 240 se/120 | schwarz - black | 6.269,0 | 62,0 |
| 01341004 | 4 x 240 sm/120 | schwarz - black | 6.269,0 | 63,0 |
| 01341048 | 4 x 300 sm/150 | schwarz - black | 8.080,0 | 69,0 |