



# NAYCWY

Niederspannungskabel

No image available

## TECHNICAL DATA

Bending radius (mm)

15/12xD

Colour of sheath

black

CPR class

Eca

Insulation

PVC

Maximal short-circuit temperature (°C)

160

Minimal temperature for laying (°C)

-5

Packaging

cable drums

RoHS/REACH

yes/yes

Sheath

PVC

Colour of insulation

HD 308 S2

Conductor

AL

CUScreen

Yes

Maximal operating conductor temperature (°C)

70

Minimal storage temperature (°C)

-35

Operating temperature range (°C)

-35-+70

Rated voltage (kV)

0.6/1

Self-extinguishing of single cable

IEC 60332-1-2

Test voltage (kV)

4



## NAYCWY

## CROSS-SECTION DATA — 0.6/1 kV

|                                       |                                            |                                           |
|---------------------------------------|--------------------------------------------|-------------------------------------------|
| Voltage<br>0.6/1 kV                   | Test voltage<br>4 kV                       | Operating temperature range<br>-35-+70 °C |
| Conductor temperature (max.)<br>70 °C | Short-circuit temperature (max.)<br>160 °C | Minimum laying temperature<br>-5 °C       |
| Minimum storage temperature<br>-35 °C | CPR class<br>Eca                           | Flame retardant<br>IEC 60332-1-2          |

| Designation | Cond. | DI [mm] | RI [Ohm/km] | Wi [mm] | Wm [mm] | Rbv [mm] | Ø [mm] | G [kg/km] |
|-------------|-------|---------|-------------|---------|---------|----------|--------|-----------|
| 2x16/16     | Al    | ~17.4   | 1.91        | 1       | 1.8     | 12xD     | 21     | 651       |
| 3x16/16     | Al    | ~18.4   | 1.91        | 1       | 1.8     | 12xD     | 22     | 710       |
| 3x25/16     | Al    | ~22.4   | 1.2         | 1.2     | 1.8     | 12xD     | 26     | 969       |
| 3x25/25     | Al    | ~22.4   | 1.2         | 1.2     | 1.8     | 12xD     | 26     | 1028      |
| 3x35/16     | Al    | ~24.4   | 0.868       | 1.2     | 1.8     | 12xD     | 28     | 1173      |
| 3x35/16     | Al    | ~22.4   | 0.868       | 1.2     | 1.8     | 12xD     | 26     | 1034      |
| 3x35/35     | Al    | ~24.4   | 0.868       | 1.2     | 1.8     | 12xD     | 28     | 1235      |
| 3x35/35     | Al    | ~22.4   | 0.868       | 1.2     | 1.8     | 12xD     | 26     | 1139      |
| 3x50/25     | Al    | ~25.2   | 0.641       | 1.4     | 1.9     | 12xD     | 29     | 1309      |
| 3x50/50     | Al    | ~24.2   | 0.641       | 1.4     | 1.9     | 12xD     | 28     | 1377      |
| 3x50/50     | Al    | ~25.2   | 0.641       | 1.4     | 1.9     | 12xD     | 29     | 1441      |
| 3x70/35     | Al    | ~29     | 0.443       | 1.4     | 2       | 12xD     | 33     | 1740      |
| 3x70/70     | Al    | ~30     | 0.443       | 1.4     | 2       | 12xD     | 34     | 1881      |
| 3x70/70     | Al    | ~30     | 0.443       | 1.4     | 2       | 12xD     | 34     | 1948      |
| 3x95/50     | Al    | ~33.6   | 0.32        | 1.6     | 2.2     | 12xD     | 38     | 2243      |
| 3x95/95     | Al    | ~33.6   | 0.32        | 1.6     | 2.2     | 12xD     | 38     | 2529      |
| 3x120/70    | Al    | ~36.4   | 0.253       | 1.6     | 2.3     | 12xD     | 41     | 2699      |
| 3x120/120   | Al    | ~35.4   | 0.253       | 1.6     | 2.3     | 12xD     | 40     | 2915      |
| 3x120/120   | Al    | ~36.4   | 0.253       | 1.6     | 2.3     | 12xD     | 41     | 3011      |
| 3x150/70    | Al    | ~41.2   | 0.206       | 1.8     | 2.4     | 12xD     | 46     | 3242      |
| 3x150/150   | Al    | ~39.2   | 0.206       | 1.8     | 2.4     | 12xD     | 44     | 3531      |
| 3x150/150   | Al    | ~41.2   | 0.206       | 1.8     | 2.4     | 12xD     | 46     | 3674      |
| 3x185/95    | Al    | ~44.8   | 0.164       | 2       | 2.6     | 12xD     | 50     | 3925      |
| 3x185/185   | Al    | ~42.8   | 0.164       | 2       | 2.6     | 12xD     | 48     | 4313      |
| 3x185/185   | Al    | ~44.8   | 0.164       | 2       | 2.6     | 12xD     | 50     | 4492      |
| 3x240/120   | Al    | ~50.4   | 0.125       | 2.2     | 2.8     | 12xD     | 56     | 5018      |
| 4x16/10     | Al    | ~20.4   | 1.91        | 1       | 1.8     | 12xD     | 24     | 802       |
| 4x16/16     | Al    | ~20.4   | 1.91        | 1       | 1.8     | 12xD     | 24     | 808       |
| 4x25/16     | Al    | ~23.4   | 1.2         | 1.2     | 1.8     | 12xD     | 27     | 1090      |



## NAYCWY

| Designation | Cond. | DI [mm] | RI [Ohm/km] | Wi [mm] | Wm [mm] | Rbv [mm] | Ø [mm] | G [kg/km] |
|-------------|-------|---------|-------------|---------|---------|----------|--------|-----------|
| 4x25/16     | Al    | ~24.4   | 1.2         | 1.2     | 1.8     | 12xD     | 28     | 1141      |
| 4x35/16     | Al    | ~26.4   | 0.868       | 1.2     | 1.8     | 12xD     | 30     | 1327      |
| 4x35/16     | Al    | ~24.4   | 0.868       | 1.2     | 1.8     | 12xD     | 28     | 1253      |
| 4x50/25     | Al    | ~29     | 0.641       | 1.4     | 2       | 12xD     | 33     | 1691      |
| 4x50/35     | Al    | ~27     | 0.641       | 1.4     | 2       | 12xD     | 31     | 1637      |
| 4x70/35     | Al    | ~30.8   | 0.443       | 1.4     | 2.1     | 12xD     | 35     | 2012      |
| 4x70/35     | Al    | ~31.8   | 0.443       | 1.4     | 2.1     | 12xD     | 36     | 2125      |
| 4x95/50     | Al    | ~34.4   | 0.32        | 1.6     | 2.3     | 12xD     | 39     | 2631      |
| 4x95/50     | Al    | ~36.4   | 0.32        | 1.6     | 2.3     | 12xD     | 41     | 2760      |
| 4x95/95     | Al    | ~37.4   | 0.32        | 1.6     | 2.3     | 12xD     | 42     | 3047      |
| 4x120/70    | Al    | ~39.2   | 0.253       | 1.6     | 2.4     | 12xD     | 44     | 3280      |
| 4x120/70    | Al    | ~41.2   | 0.253       | 1.6     | 2.4     | 12xD     | 46     | 3407      |
| 4x150/70    | Al    | ~42.8   | 0.206       | 1.8     | 2.6     | 12xD     | 48     | 3870      |
| 4x150/70    | Al    | ~45.8   | 0.206       | 1.8     | 2.6     | 12xD     | 51     | 4062      |
| 4x150/120   | Al    | ~45.8   | 0.206       | 1.8     | 2.6     | 12xD     | 51     | 4297      |
| 4x150/150   | Al    | ~42.8   | 0.206       | 1.8     | 2.6     | 12xD     | 48     | 4263      |
| 4x150/150   | Al    | ~45.8   | 0.206       | 1.8     | 2.6     | 12xD     | 51     | 4455      |
| 4x185/95    | Al    | ~47.4   | 0.164       | 2       | 2.8     | 12xD     | 53     | 4775      |
| 4x185/95    | Al    | ~50.4   | 0.164       | 2       | 2.8     | 12xD     | 56     | 4995      |
| 4x240/120   | Al    | ~56     | 0.125       | 2.2     | 3       | 12xD     | 62     | 6235      |