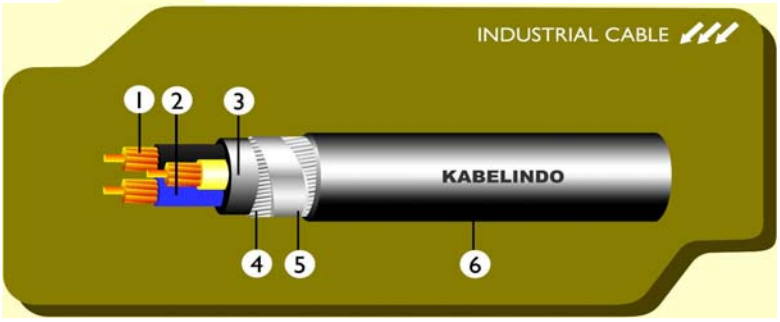
# NYRGbY 0.6/1 kV

**CONTROL CABLE**
**Copper Conductor, PVC Insulated,SWA, PVC Sheated**




1. Conductor : Annealed Copper wire
2. Insulation : Extruded PVC
3. Filler : Extruded PVC
4/5. Armour : Galvanized Round Steel and tape
6. Sheath : Extruded PVC

## PVC LOW VOLTAGE CABLE

### TECHNICAL DATA

Spec — Specification : SPLN 43 -2 : 1994, IEC 60502 - 1 : 1997

APL — Multicores power and control cable used for indoor and outdoor installation direct burial

Cu — Conductor Shape : re = Circular S rm = Circular

DCV — DC Test Voltage : 8,5 kV for 5 mi

### DIMENSIONAL DATA

CONTROL CABLE 2.5 mm²

| Number Of Cores | No.of wire and Shaped Of Conductor | | Nominal Thickness | | Approximately | | Min. Bending Diameter | Std. Length per reel |
|---|---|---|---|---|---|---|---|---|
| | | | Insulation | Outer Sheath | Overall Diameter | Net. Weight | | |
| pcs | pcs | shape | mm | mm | mm | kg/km | mm | m |
| 7 | 1 | re | 0.8 | 1.8 | 18 | 697 | 324 | 1000 |
| | 7 | rm | | | 18.7 | 742 | 337 | |
| 8 | 1 | re | | | 19.1 | 770 | 344 | |
| | 7 | rm | | | 19.9 | 823 | 358 | |
| 10 | 1 | re | | | 21.7 | 979 | 391 | |
| | 7 | rm | | | 22.7 | 1043 | 409 | |
| 12 | 1 | re | | | 22.3 | 1061 | 401 | |
| | 7 | rm | | | 23.3 | 1130 | 419 | |
| 14 | 1 | re | | | 24.3 | 1374 | 437 | |
| | 7 | rm | | | 25.4 | 1465 | 457 | |
| 16 | 1 | re | | | 25.3 | 1492 | 455 | |
| | 7 | rm | | | 26.4 | 1588 | 475 | |
| 19 | 1 | re | | | 26.3 | 1632 | 473 | |
| | 7 | rm | | | 27.5 | 1737 | 495 | |
| 21 | 1 | re | | | 27.4 | 1752 | 493 | |
| | 7 | rm | | | 28.7 | 1863 | 517 | |
| 24 | 1 | re | | | 29.9 | 1970 | 538 | |
| | 7 | rm | | | 31.3 | 2109 | 563 | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **30** | 1 | re | | 1.9 | 31.3 | 2243 | 563 | |
| | 7 | rm | | | 32.8 | 2398 | 590 | |
| **40** | 1 | re | | 2 | 35.5 | 2954 | 639 | |
| | 7 | rm | | | 37.3 | 3167 | 671 | |
| **52** | 1 | re | | 2.1 | 40.8 | 3689 | 734 | |
| | 7 | rm | | | 42.9 | 3965 | 772 | |
| **61** | 1 | re | | 2.2 | 42 | 4080 | 756 | |
| | 7 | rm | | | 44.1 | 4356 | 794 | |

## ELECTRICAL DATA

| Number of Cores | DC Resistance at 20ºC | | Current Carrying Capacity at 30ºC | | Conductor Short Circuit Current Capacity at : | | | DC Voltage Test |
|---|---|---|---|---|---|---|---|---|
| | Conductor (Max) | Insulation (Min) | In Ground | In Air | 0.1 second | 0.5 second | 1.0 second | |
| pcs | Ohm/km | M.ohm.km | A | A | kA | kA | kA | |
| **7** | 7.41 | 50 | 26 | 21 | 1.12 | 0.50 | 0.36 | 8.5 kV for 5 minutes |
| **8** | | | 23 | 18 | | | | |
| **10** | | | 21 | 17 | | | | |
| **12** | | | 20 | 16 | | | | |
| **14** | | | 18 | 15 | | | | |
| **16** | | | 17 | 14 | | | | |
| **19** | | | 17 | 13 | | | | |
| **21** | | | 16 | 12 | | | | |
| **24** | | | 15 | 11 | | | | |
| **30** | | | 14 | 11 | | | | |
| **40** | | | 14 | 11 | | | | |
| **52** | | | 14 | 11 | | | | |
| **61** | | | 14 | 11 | | | | |