



1-CYY









PVC/PVC copper energy cables

LOW VOLTAGE CABLES 0,6/1 KV

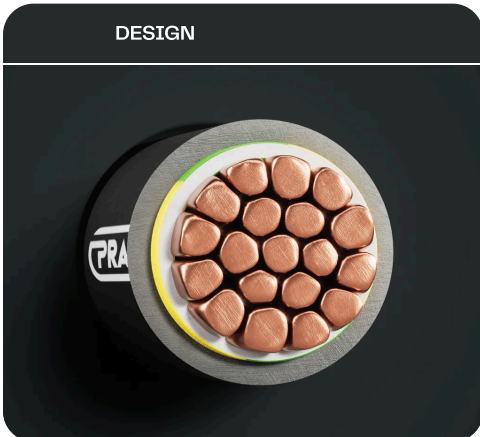
The cables are designed for distribution of electrical energy in fixed installation in the ground, cable ducts and in the outdoor environment.



TECHNICAL DATA

| | | |
|---|--|---|
|  <p>Standard ČSN 34 7659-3P</p> |  <p>Rated Voltage 0,6/1 kV</p> |  <p>Core identification HD308 S2 (CR, HA, MD, SE, ZZ and others depending on customer demand)</p> |
|  <p>Certificate EZÚ Czech Republic</p> |  <p>Bending radius (min.) 15 x Ø of cable</p> |  <p>Temperature range Laying temperature: min. -10°C Operating temperature: -50°C up to 70°C Conductor temperature: max. 70°C Short circuit temperature: max. 140°C</p> |
|  <p>Test Voltage 4 kV / 50 Hz</p> |  <p>Fire properties ČSN EN 60332-1-2: self-extinguishing CPR classification: Eca</p> | |

DESIGN



- 1 Copper conductor, round stranded (RM)
- 2 Core insulation (PVC)
- 3 Sheath (PVC black, UV-resistant)

| Number of cores x nominal cross-section (mm ²) | Max. conductor resistance (Ω/km) | Current rating in the earth (A) | Current rating in the air (A) | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|--|----------------------------------|---------------------------------|-------------------------------|---------------------------|----------------------------|
| 1 x 25 RM | 0.727 | 208 | 144 | 11.9 | 340 |
| 1 x 35 RM | 0.524 | 250 | 176 | 13.1 | 440 |
| 1 x 50 RM | 0.387 | 296 | 214 | 14.7 | 585 |
| 1 x 70 RM | 0.268 | 365 | 270 | 16.3 | 825 |
| 1 x 95 RM | 0.193 | 438 | 334 | 18.5 | 1090 |
| 1 x 120 RM | 0.153 | 501 | 389 | 19.8 | 1300 |
| 1 x 150 RM | 0.124 | 563 | 446 | 21.5 | 1590 |
| 1 x 185 RM | 0.099 | 639 | 516 | 24.3 | 1990 |
| 1 x 240 RM | 0.075 | 746 | 618 | 27.1 | 2560 |
| 1 x 300 RM | 0.060 | 848 | 717 | 30.1 | 3220 |
| 1 x 400 RM | 0.047 | 975 | 843 | 33.7 | 4260 |
| 1 x 500 RM | 0.037 | 1125 | 994 | 36.9 | 5190 |
| 1 x 630 RM | 0.028 | 1304 | 1180 | 40.7 | 6550 |



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