



# 1-CYY

## PVC/PVC copper energy cables

LOW VOLTAGE CABLES 0,6/1 kV

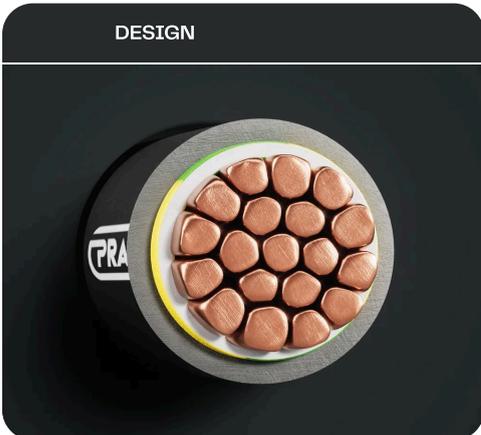
The cables are designed for distribution of electrical energy in fixed installation in the ground, cable ducts and in the outdoor environment.



### TECHNICAL DATA

 <p><b>Standard</b> ČSN 34 7659-3P</p>	 <p><b>Rated Voltage</b> 0,6/1 kV</p>	 <p><b>Core identification</b> HD308 S2 (CR, HA, MD, SE, ZZ and others depending on customer demand)</p>
 <p><b>Certificate</b> EZÚ Czech Republic</p>	 <p><b>Bending radius (min.)</b> 15 x Ø of cable</p>	 <p><b>Temperature range</b> 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><b>Test Voltage</b> 4 kV / 50 Hz</p>	 <p><b>Fire properties</b> 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 <sup>2</sup> )	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

**CONTACT PERSON**

**Ing. Štěpán Laštůvka**  
Product Supervisor  
+420 732 912 682  
stepan.lastuvka@prakab.com

