



# AY

## PVC insulated wires, stranded

### INSTALLATION CABLES

Conductors are designed for fixed installation as interconnecting conductors in dry environment, in pipelines, under the plaster, in devices and switchboards.



#### TECHNICAL DATA



**Standard**  
TP PRAKAB 01/24



**Certificate**  
EZÚ Czech Republic



**Test Voltage**  
2,5 kV / 50 Hz



**Rated Voltage**  
450/750 V



**Bending radius (min.)**  
5 x  $\phi$  up to 50 mm<sup>2</sup>  
6 x  $\phi$  over 50 mm<sup>2</sup>



**Fire properties**  
EN 60332-1-2: self-extinguishing  
OPR classification: Eca

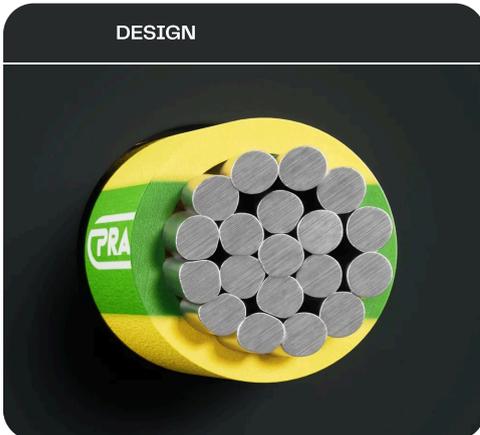


**Core identification**  
According to EN 50525-1: BK, BU, BN, GY, OG, PK, RD, VT, WH, GNYE



**Temperature range**  
Laying temperature: min. 5°C  
Operating temperature: -5°C up to 70°C  
Conductor temperature: max. 70°C  
Short circuit temperature: max. 160°C

#### DESIGN



- 1 Aluminium conductor, round solid (RE) or round stranded (RM)
- 2 Core insulation (PVC)

Number of cores x nominal cross-section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
1 x 10 RE	3.08	58	5.9	53
1 x 10 RM	3.08	58	6.2	55
1 x 16 RE	1.91	82	6.7	71
1 x 16 RM	1.91	82	7.1	76
1 x 25 RM	1.2	110	8.7	114
1 x 35 RM	0.868	135	9.7	146
1 x 50 RM	0.641	166	11.4	196
1 x 70 RM	0.443	210	12.9	262
1 x 95 RM	0.32	259	15.1	358
1 x 120 RM	0.253	302	16.4	433
1 x 150 RM	0.206	345	18.3	534
1 x 185 RM	0.164	401	20.4	667
1 x 240 RM	0.125	479	23.2	863
1 x 300 RM	0.1	550	25.9	1069
1 x 400 RM	0.078	653	29.6	1363

**CONTACT PERSON**

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