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INSTALLATION CABLES

# AY

## PVC insulated wires, stranded

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 Ø up to 50 mm2
6 x Ø over 50 mm2

**Fire properties**
EN 60332-1-2: self-extinguishing
CPR 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 (mm²) | 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 |

Technical changes reserved. All figures are therefore without guarantee.

**CONTACT PERSON**

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