



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 ϕ up to 50 mm²
6 x ϕ over 50 mm²



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

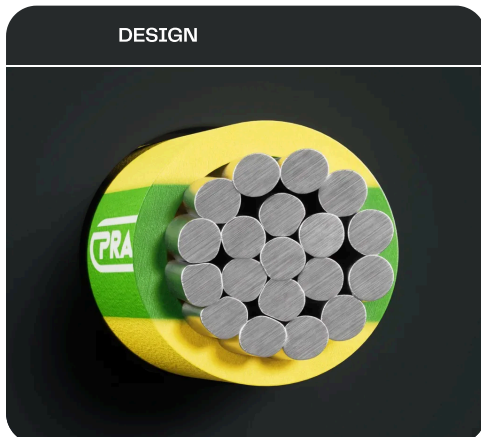


Core identification
According to EN 50525-1: BK, BU, BN, GY, OG, PK, RD, VT, WH, GNYE



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



Aluminium conductor, round solid (RE) or round stranded (RM)



Core insulation (PVC)

Number of cores x nominal cross-section (mm ²)	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	0.0778	653	29.6	1363

CONTACT PERSON

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