

INSTALLATION CABLES

AY

PVC insulated wires, stranded



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



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	0.078	653	29.6	1363

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