

MEDIUM VOLTAGE CABLES UP TO 36 kV

6-CYKCY

PVC/PVC copper underground medium
voltage cable, screened



TECHNICAL DATA



Standard
TP PRAKAB 03/08



Certificate
EZÚ Czech Republic



Test Voltage
15 kV / 50 Hz



Rated Voltage
3,6/6 kV



Bending radius (min.)
6 x Ø of cable up to 20 mm
12 x Ø of cable from 20 mm to 40 mm
15 x Ø of cable over 40 mm



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



Core identification
Natural cores colour



Temperature range
Laying temperature: min. -5°C
Operating temperature: -50°C up to 70°C
Conductor temperature: max. 70°C
Short circuit temperature: max. 140°C

DESIGN



1 Copper conductor, round stranded (RM) resp. sector-shaped stranded (SM)



2 Core insulation (PVC)



3 Inner covering (EPDM or plastic tape)



4 Inner sheath (PVC colorless)



5 Screen (copper tape or bare copper wires applied with changing direction of lay)



6 Inner covering (plastic tape)



7 Outer sheath (PVC black, UV-resistant)

Number of cores x nominal cross-section / cross-section of screen (mm ²)	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)
3 x 25 RM / 16	0.727	88	71	37.0	2352
3 x 35 RM / 16	0.524	118	99	39.1	2755
3 x 50 RM / 16	0.387	143	119	42.1	3338
3 x 70 SM / 16	0.268	176	150	41.5	3171
3 x 70 SM / 50	0.268	176	150	44.1	3477
1 x 95 RM / 16	0.193	252	250	28.2	1659
1 x 95 RM / 25	0.193	252	250	29.6	1762
3 x 95 SM / 16	0.193	211	182	45.0	4101
1 x 120 RM / 25	0.153	286	290	30.9	2021
3 x 120 SM / 25	0.153	240	210	48.9	4991
1 x 150 RM / 25	0.124	314	327	32.4	2315
3 x 150 SM / 16	0.124	269	238	50.2	5747
3 x 150 SM / 25	0.124	269	238	51.7	5861
1 x 185 RM / 25	0.099	354	376	32.8	2789
3 x 185 SM / 16	0.099	305	273	52.9	6893
3 x 185 SM / 25	0.099	305	273	54.4	6999
1 x 240 RM / 25	0.075	406	443	36.5	3278
3 x 240 SM / 25	0.075	354	323	58.4	8711
1 x 300 RM / 25	0.060	452	503	38.7	3888
1 x 400 RM / 25	0.047	499	573	41.9	4729
1 x 500 RM / 35	0.037	560	659	46.1	5888

CONTACT PERSON

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