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MEDIUM VOLTAGE CABLES 10 – 30 KV

6-CYKCY

PVC/PVC copper underground medium voltage cable, screened

The cables are designed for fixed distribution of electricity in the ground or in the outdoor environment.

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
CPR 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 (mm²)	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

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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