We Make Modern Life Possible.

SAFETY CABLES

PRAFlaDur D

1-CSKHDH-V180 P15-R – P60-R, PH120-R, P75090-R, PS15 – PS60, B2ca s1a d1 a1 SiR/FRNC energy cables, with circuit integrity, UV resistant, armoured

Cables are designed for fixed distribution of electricity in ordinary environment in hotels, hospitals, subway, airports, etc., to protect people and technical equipment of buildings in case of fire, where there is requirement to maintain the functionality of the entire cable installation in fire. In case of fire, the cable releases a small amount of heat and smoke. The cables are UV-resistant.



TECHNICAL DATA

Standard
ČSN 34 7660-100

Certificate
EZÚ Czech Republic

Test Voltage
core/core 4 kV / 50 Hz

Rated Voltage
0.6/1 kV

Bending radius (min.)
12 x Ø of cable (multicore)

Fire properties
ČSN EN 60332-1-2: self-extinguishing
ČSN EN 60754-2: halogen-free, non-corrosive combustion gases
ČSN EN 61034-2: low smoke emission
ČSN EN 60332-3-22: reduced flame propagation
ČSN 73 0895, STN 92 0205: circuit integrity
ČSN EN 13501-6: fire classification
CPR Classification: B2ca s1a d1 a1

Core identification
ČSN 33 0166 ed. 2, ČSN EN 50334

Temperature range
Laying temperature: min. -5°C
Operating temperature: -50°C up to 60°C
Conductor temperature: max. 90°C
Short circuit temperature: max. 90°C

DESIGN



1. Copper conductor, round solid (RE) resp. round stranded (RM)
2. Core insulation (silicone rubber)
3. Inner covering (halogen-free bedding compound)
4. Inner sheath (halogen-free polymer compound)
5. Armouring (galvanized steel wires)
6. Outer sheath (halogen-free polymer compound, brown)

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)
2 x 1.5 RE	12.1	28	14.9	482
3 x 1.5 RE	12.1	24	15.3	516
4 x 1.5 RE	12.1	24	16.0	556
5 x 1.5 RE	12.1	16	16.9	612
7 x 1.5 RE	12.1	16	17.7	687
12 x 1.5 RE	12.1	13	21.5	969
19 x 1.5 RE	12.1	11	24.2	1229
24 x 1.5 RE	12.1	10	27.1	1491
37 x 1.5 RE	12.1	9	30.3	1875
48 x 1.5 RE	12.1	8	35.5	2481
2 x 2.5 RE	7.41	37	15.6	542
3 x 2.5 RE	7.41	32	16.1	585
4 x 2.5 RE	7.41	32	16.9	636
5 x 2.5 RE	7.41	22	17.9	715
7 x 2.5 RE	7.41	21	19.2	828
12 x 2.5 RE	7.41	17	23.1	1166
19 x 2.5 RE	7.41	14	26.1	1498
24 x 2.5 RE	7.41	13	29.7	1861
37 x 2.5 RE	7.41	12	34.9	2579
48 x 2.5 RE	7.41	10	41.2	3927
2 x 4 RE	4.61	49	17.3	652
3 x 4 RE	4.61	42	17.9	721
4 x 4 RE	4.61	42	19.3	819
5 x 4 RE	4.61	28	20.5	919
7 x 4 RE	4.61	27	21.7	1066
12 x 4 RE	4.61	22	26.8	1555
19 x 4 RE	4.61	20	32.5	2237
37 x 4 RE	4.61	17	43.6	4410
3 x 6 RE	3.08	53	19.4	854
4 x 6 RE	3.08	53	20.5	957
5 x 6 RE	3.08	36	21.8	1078
2 x 10 RE	1.83	85	20.6	950
3 x 10 RE	1.83	74	21.4	1073
4 x 10 RE	1.83	74	22.8	1230
5 x 10 RE	1.83	49	24.7	1429
2 x 16 RE	1.15	113	22.4	1164
3 x 16 RE	1.15	98	23.4	1349
4 x 16 RE	1.15	98	25.3	1590
5 x 16 RE	1.15	65	27.1	1847
3 x 25 RM	0.727	133	27.9	1896
3 x 25 + 16 RM/RE	0.727 / 1.15	133	28.9	2087
4 x 25 RM	0.727	133	30.2	2249
5 x 25 RM	0.727	90	24.7	2856
2 x 35 RM	0.524	186	28.7	1950

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)
3 x 35 RM	0.524	162	29.9	2515
3 x 35 + 16 RM/RE	0.524 / 1.15	162	33.1	2695
3 x 35 + 25 RM/RM	0.524 / 0.727	162	34.2	2859
4 x 35 RM	0.524	162	34.8	2984
5 x 35 RM	0.524	109	39.9	4281
3 x 50 RM	0.387	197	36.1	3161
3 x 50 + 25 RM/RM	0.387 / 0.727	197	39.8	4237
3 x 50 + 35 RM/RM	0.387 / 0.524	197	40.4	4351
4 x 50 RM	0.387	197	41.3	4581
5 x 50 RM	0.387	133	45.0	5359
3 x 70 RM	0.268	250	42.4	4873
3 x 70 + 35 RM/RM	0.268 / 0.524	250	44.0	5299
3 x 70 + 50 RM/RM	0.268 / 0.387	250	45.0	5503
4 x 70 RM	0.268	250	45.8	5763
5 x 70 RM	0.268	180	49.7	6783
3 x 95 RM	0.193	308	47.1	6118
3 x 95 + 50 RM/RM	0.193 / 0.387	308	49.0	6649
4 x 95 RM	0.193	308	51.1	7280
5 x 95 RM	0.193	215	55.8	8634
3 x 120 RM	0.153	359	50.2	7094
3 x 120 + 50 RM/RM	0.153 / 0.387	359	51.6	7574
3 x 120 + 70 RM/RM	0.153 / 0.268	359	52.5	7857
4 x 120 RM	0.153	359	54.7	8576
5 x 120 RM	0.153	247	60.5	10342

Technical changes reserved. All figures are therefore without guarantee.



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