

SAFETY CABLES WITH CIRCUIT INTEGRITY

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



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)

PARAMETERS

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



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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

CONTACT PERSON

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