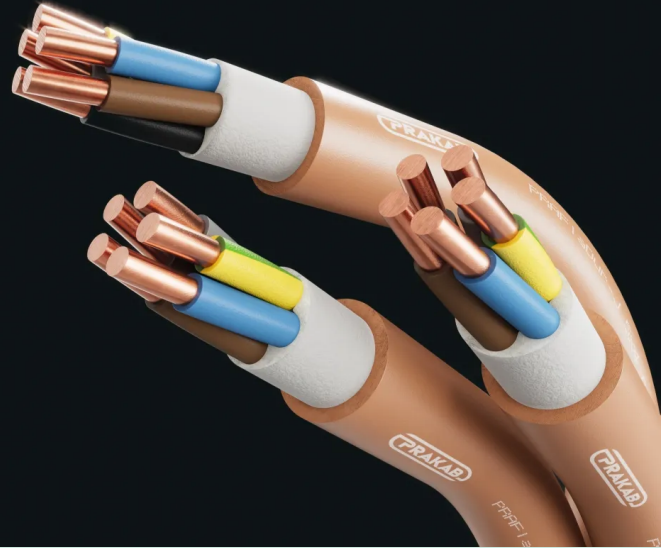


SAFETY CABLES WITH CIRCUIT INTEGRITY

PRAFlaDur+

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



TECHNICAL DATA



Standard
ČSN 34 7660-100
TP PRAKAB 01/21



Certificate
EZÚ Czech Republic
TSÚS Slovakia



Test Voltage
core/core 4 kV / 50 Hz



Rated Voltage
0,6/1 kV



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



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
OPR 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. 250°C

DESIGN



1 Copper conductor, round solid (RE) resp. round stranded (RM)



2 Core insulation (silicone rubber)



3 Inner covering (halogen-free filling compound)



4 Sheath (halogen-free polymer compound, brown, UV resistant, water resistant)

PARAMETERS

Number of cores x nominal cross-section (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)
2 x 1.5 RE	12.1	45	29	9.3	126
3 x 1.5 RE	12.1	39	24	9.8	145
4 x 1.5 RE	12.1	39	24	10.5	169
5 x 1.5 RE	12.1	39	24	11.3	196
7 x 1.5 RE	12.1	19	16	12.2	243
12 x 1.5 RE	12.1	15	13	15.8	396
19 x 1.5 RE	12.1	12	11	18.4	562
24 x 1.5 RE	12.1	11	10	21.4	732
37 x 1.5 RE	12.1	10	9	24.5	1011
48 x 1.5 RE	12.1	9	8	29.1	1389
2 x 2.5 RE	7.41	59	39	10.1	158
3 x 2.5 RE	7.41	51	32	10.6	185
4 x 2.5 RE	7.41	51	32	11.4	219
5 x 2.5 RE	7.41	51	32	12.4	257
7 x 2.5 RE	7.41	24	21	13.5	330
12 x 2.5 RE	7.41	19	17	17.4	534
19 x 2.5 RE	7.41	16	14	20.5	780
24 x 2.5 RE	7.41	14	13	23.9	1012
37 x 2.5 RE	7.41	13	12	28.4	1497
48 x 2.5 RE	7.41	11	10	32.8	1964
2 x 4 RE	4.61	77	51	11.8	222
3 x 4 RE	4.61	66	42	12.6	268
4 x 4 RE	4.61	66	42	13.6	321
5 x 4 RE	4.61	66	42	14.8	377
7 x 4 RE	4.61	31	27	16.0	480
12 x 4 RE	4.61	25	22	21.2	810
2 x 6 RE	3.08	97	65	12.9	285
3 x 6 RE	3.08	82	53	13.7	343
4 x 6 RE	3.08	82	53	14.8	414
5 x 6 RE	3.08	82	53	16.1	491
2 x 10 RE	1.83	130	89	14.8	407
3 x 10 RE	1.83	110	73	15.7	501
4 x 10 RE	1.83	110	73	17.1	613
5 x 10 RE	1.83	110	73	18.9	746
2 x 16 RE	1.15	168	118	16.7	561
3 x 16 RE	1.15	142	98	17.7	704
4 x 16 RE	1.15	142	98	19.7	890
5 x 16 RE	1.15	142	98	21.5	1075
1 x 25 RM	0.727	294	177	13.4	388
3 x 25 RM	0.727	182	133	22.3	1120
3 x 25 + 16 RM/RE	0.727 / 1.15	182	133	23.3	1268
4 x 25 RM	0.727	182	133	24.5	1399
5 x 25 RM	0.727	182	133	28.2	1788
1 x 35 RM	0.524	355	217	14.5	490



PARAMETERS

Number of cores x nominal cross-section (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 35 RM	0.524	221	162	25.9	1549
3 x 35 + 16 RM/RE	0.524 / 1.15	221	162	26.7	1683
3 x 35 + 25 RM/RM	0.524 / 0.727	221	162	27.8	1815
4 x 35 RM	0.524	221	162	28.3	1916
5 x 35 RM	0.524	221	162	31.7	2385
1 x 50 RM	0.387	419	265	16.4	640
3 x 50 RM	0.387	262	197	29.6	2045
3 x 50 + 25 RM/RM	0.387 / 0.727	262	197	31.6	2341
3 x 50 + 35 RM/RM	0.387 / 0.524	262	197	32.2	2451
4 x 50 RM	0.387	262	197	33.1	2598
5 x 50 RM	0.387	262	197	36.3	3150
1 x 70 RM	0.268	516	336	18.0	851
3 x 70 RM	0.268	321	250	33.9	2819
3 x 70 + 35 RM/RM	0.268 / 0.524	321	250	35.3	3136
3 x 70 + 50 RM/RM	0.268 / 0.387	321	250	36.2	3294
4 x 70 RM	0.268	321	250	37.4	3535
5 x 70 RM	0.268	321	250	41.0	4299
1 x 95 RM	0.193	616	415	20.1	1127
3 x 95 RM	0.193	384	308	38.7	3802
3 x 95 + 50 RM/RM	0.193 / 0.387	384	308	40.5	4232
4 x 95 RM	0.193	384	308	43.1	4829
5 x 95 RM	0.193	384	308	47.4	5874
1 x 120 RM	0.153	704	485	21.6	1375
3 x 120 RM	0.153	490	359	41.5	4607
3 x 120 + 50 RM/RM	0.153 / 0.387	490	359	43.5	5082
3 x 120 + 70 RM/RM	0.153 / 0.268	490	359	44.5	5320
4 x 120 RM	0.153	490	359	46.2	5863
5 x 120 RM	0.153	490	359	51.1	7173
1 x 150 RM	0.124	788	557	23.5	1665
3 x 150 RM	0.124	490	412	46.3	5707
3 x 150 + 70 RM/RM	0.124 / 0.268	490	412	48.0	6283
4 x 150 RM	0.124	490	412	51.0	7175
5 x 150 RM	0.124	490	412	56.8	8844
1 x 185 RM	0.099	889	646	25.8	2051
3 x 185 RM	0.099	552	475	51.1	7043
3 x 185 + 95 RM/RM	0.099 / 0.193	552	475	53.7	7929
4 x 185 RM	0.099	552	475	56.7	8929
5 x 185 RM	0.099	552	475	62.7	10936
1 x 240 RM	0.075	1032	774	28.6	2625
3 x 240 RM	0.075	639	564	57.7	9138
3 x 240 + 120 RM/RM	0.075 / 0.153	639	564	60.0	10158
4 x 240 RM	0.075	639	564	64.0	11586



PARAMETERS

CONTACT PERSON

Ing. Štěpán Laštůvka
Product Supervisor
+420 732 912 682
stepan.lastuvka@prakab.com

