

LOW VOLTAGE CABLES 0,6/1 kV

PRAFlaSafe XC1

1-CXKCH-R B2ca s1a d1 a1
XLPE/FRNC copper energy cable, halogen-
free, screened, UV-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.)
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
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 EN 13501-6: fire classification
CPR classification: B2ca s1a d1 a1



Core identification
HD 308 S2, EN 50334



Temperature range
Laying temperature: min. -5°C
Operating temperature: -30°C up to 90°C
Conductor temperature: max. 90°C
Short circuit temperature: max. 250°C

DESIGN



1

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

2

Core insulation (XLPE)

3

Inner covering (halogen-free filling compound)

4

Inner sheath (halogen-free polymer compound)

5

Concentric screen (copper tape) and halogen-free plastic
tape

6

Sheath (halogen-free polymer compound, orange, UV
resistant)

PARAMETERS

XLPE/FRNC copper energy cable, halogen-free, screened, UV-resistant

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	12.531	28	13.7	286
3 x 1.5 RE	12.531	24	14.2	308
4 x 1.5 RE	12.531	24	15.0	348
5 x 1.5 RE	12.531	16	15.8	384
7 x 1.5 RE	12.531	16	16.8	447
12 x 1.5 RE	12.531	13	20.1	624
19 x 1.5 RE	12.531	11	22.5	808
24 x 1.5 RE	12.531	10	25.3	1001
37 x 1.5 RE	12.531	9	28.2	1290
48 x 1.5 RE	12.531	8	31.3	1587
2 x 2.5 RE	7.52	37	14.7	336
3 x 2.5 RE	7.52	32	15.2	367
4 x 2.5 RE	7.52	32	15.9	411
5 x 2.5 RE	7.52	22	17.0	468
7 x 2.5 RE	7.52	21	17.9	544
12 x 2.5 RE	7.52	18	21.6	781
19 x 2.5 RE	7.52	14	24.6	1049
24 x 2.5 RE	7.52	13	25.1	1010
37 x 2.5 RE	7.52	12	30.9	1717
48 x 2.5 RE	7.52	10	34.9	2161
2 x 4 RE	4.7	49	15.6	392
3 x 4 RE	4.7	42	16.1	437
4 x 4 RE	4.7	42	17.2	504
5 x 4 RE	4.7	28	18.2	569
7 x 4 RE	4.7	27	19.5	674
12 x 4 RE	4.7	22	23.7	1010
2 x 6 RE	3.133	62	16.8	471
3 x 6 RE	3.133	53	17.4	533
4 x 6 RE	3.133	53	18.4	613
5 x 6 RE	3.133	36	19.7	698
7 x 6 RE	3.133	36	20.9	842
1 x 10 RE	1.88	99	14.4	356
2 x 10 RE	1.88	85	18.7	621
3 x 10 RE	1.88	74	19.7	719
4 x 10 RE	1.88	74	21.0	841
5 x 10 RE	1.88	49	22.6	989
1 x 16 RE	1.175	131	15.3	432
2 x 16 RE	1.175	113	20.8	797
3 x 16 RE	1.175	98	21.7	946
4 x 16 RE	1.175	98	23.4	1137
5 x 16 RE	1.175	65	25.2	1348
1 x 25 RM	0.752	177	17.3	580
3 x 25 RM	0.752	133	26.5	1424
4 x 25 RM	0.752	133	28.6	1722



Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
5 x 25 RM	0.752	90	30.8	2038
1 x 35 RM	0.537	217	18.6	704
3 x 35 RM	0.537	162	28.9	1799
4 x 35 RM	0.537	162	31.1	2176
5 x 35 RM	0.537	109	34.0	2613
1 x 50 RM	0.387	265	20.1	849
3 x 50 RM	0.387	197	32.3	2299
4 x 50 RM	0.387	197	35.7	2881
5 x 50 RM	0.387	133	38.9	3446
1 x 70 RM	0.268	336	22.1	1098
4 x 70 SM	0.268	250	36.2	3454
5 x 70 SM	0.268	180	39.8	4224
1 x 95 RM	0.193	415	23.8	1379
4 x 95 SM	0.193	308	40.6	4538
5 x 95 SM	0.193	308	42.5	5490

CONTACT PERSON

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