We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

PRAFlaSafe XC1

1-CXKHCH-R B2ca s1a d1 a1
XLPE/FRNC copper energy cable, halogen-free, screened, UV-resistant

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 no 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
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)

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 (mm²)	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

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

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