

LOW VOLTAGE CABLES 0,6/1 kV

PRAFlaSafe XD

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



TECHNICAL DATA



Standard
ČSN 34 7660-100
TP PRAKAB 02/99



Certificate
EZÚ Czech Republic



Test Voltage
core/core 4 kV / 50 Hz



Rated Voltage
0,6/1 kV



Bending radius (min.)
6 x Ø up to 20 mm
12 x Ø from 20 mm to 40 mm
15 x Ø over 40 mm



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
OPR: 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 (XLPE)



3 Inner covering (halogen-free tape and halogen free polymer compound)



4 Inner sheath (halogen-free polymer compound)



5 Armouring (galvanized steel wires)



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

PARAMETERS

XLPE/FRNC copper energy cable, halogen-free, armoured, 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	12.1	28	15.1	490
3 x 1.5 RE	12.1	24	15.5	521
4 x 1.5 RE	12.1	24	16.2	560
5 x 1.5 RE	12.1	16	16.9	614
7 x 1.5 RE	12.1	16	17.7	685
12 x 1.5 RE	12.1	13	22.0	1001
19 x 1.5 RE	12.1	11	24.6	1241
24 x 1.5 RE	12.1	10	27.3	1481
2 x 2.5 RE	7.41	37	15.8	551
3 x 2.5 RE	7.41	32	16.3	591
3 x 2.5 RE	7.41	32	16.3	591
4 x 2.5 RE	7.41	22	17.1	640
5 x 2.5 RE	7.41	22	18.2	713
7 x 2.5 RE	7.41	21	19.3	825
12 x 2.5 RE	7.41	18	23.8	1210
19 x 2.5 RE	7.41	14	26.5	1524
24 x 2.5 RE	7.41	13	30.0	1865
2 x 4 RE	4.61	49	16.7	610
3 x 4 RE	4.61	42	17.2	673
4 x 4 RE	4.61	42	18.3	757
5 x 4 RE	4.61	28	19.5	844
7 x 4 RE	4.61	27	21.3	1027
12 x 4 RE	4.61	22	25.8	1467
19 x 4 RE	4.61		28.9	1879
2 x 6 RE	3.08	62	17.7	708
3 x 6 RE	3.08	53	18.5	784
4 x 6 RE	3.08	53	19.7	899
5 x 6 RE	3.08	36	21.6	1063
2 x 10 RE	1.83	85	20.9	967
2 x 10 RM	1.83	85	21.3	998
3 x 10 RE	1.83	74	21.7	1085
3 x 10 RM	1.83	74	22.1	1118
4 x 10 RE	1.83	74	22.9	1237
4 x 10 RM	1.83	74	23.6	1283
5 x 10 RE	1.83	49	24.7	1434
5 x 10 RM	1.83	49	25.3	1476
2 x 16 RE	1.15	113	22.7	1182
2 x 16 RM	1.15	113	23.5	1243
3 x 16 RE	1.15	98	23.8	1372
3 x 16 RM	1.15	98	24.6	1422
4 x 16 RE	1.15	98	25.5	1591
4 x 16 RM	1.15	98	26.2	1646
5 x 16 RE	1.15	65	27.2	1828
5 x 16 RM	1.15	65	28.0	1888



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)
3 x 25 RM	0.727	133	28.5	1929
4 x 25 RM	0.727	133	30.6	2259
5 x 25 RM	0.727	90	32.8	2615
4 x 35 RM	0.524	162	33.0	2774
5 x 35 RM	0.524	109	35.9	2448
4 x 50 RM	0.387	197	39.7	4301
5 x 50 RM	0.387	133	42.6	4993

CONTACT PERSON

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