We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

PRAFlaSafe XD

1-CXKHDH-R B2ca s1a d1 a1
XLPE/FRNC copper energy cable, halogen-free, armoured, 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 02/99

Certificate
EZÚ Czech Republic

Test Voltage
core/core 4 kV / 50 Hz

Rated Voltage
0,6/1 kV

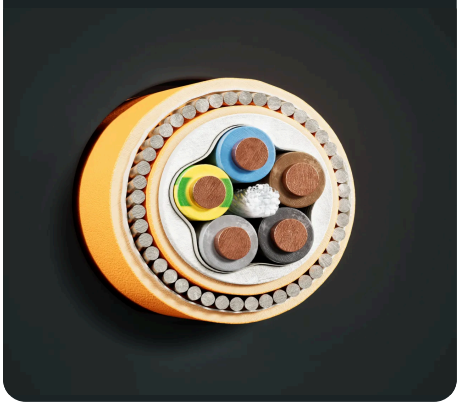
Bending radius (min.)
6 x Ø up to 20 mm
12 x Ø from 20 mm to 40 mm
15 x Ø over 40 mm

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
CPR: 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)

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 (mm²)	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

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

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