

LOW VOLTAGE CABLES 0,6/1 kV

PRAFlaSafe XD1

1-CXKHD1H-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 stranded (RM) resp. sector-shaped stranded (SM)

2

Core insulation (XLPE)

3

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

4

Inner sheath (halogen-free polymer compound)

5

Armouring (two layers galvanized steel tapes)

6

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

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)
4 x 50 SM	0.387	197	32.5	2681
5 x 50 SM	0.387	133	34.8	3447
4 x 70 SM	0.268	250	36.9	3861
4 x 95 SM	0.193	308	41.4	4960
5 x 95 SM	0.193	215	43.3	5922
4 x 120 SM	0.153	359	44.9	6049
3 x 150 + 95 SM/RM	0.124	412	50.0	7091
4 x 150 SM	0.124	412	50.0	7396
3 x 185 + 95 SM/SM	0.099	475	50.3	7930
4 x 185 SM	0.099	475	55.4	8946
4 x 240 SM	0.075	564	60.9	11212

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