



# PRAFlaSafe XD1

1-CXKHD1H-R B2ca s1a d1 a1 XLPE/FRNC copper energy cable, halogen-free, armoured, UV-resistant

LOW VOLTAGE CABLES 0,6/1 kV

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

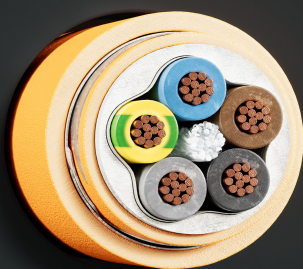
ČSN 33 0166 ed. 2, ČSN EN 50334



### 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 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 <sup>2</sup> ) | 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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