We Make Modern Life Possible.

SAFETY CABLES

# PRAFlaDur C

## 1-CSKHCH-V180 P15-R – P60-R, PS15 – PS60, P(750)90-R B2ca s1d1a1
## SiR/FRNC energy cables, with circuit integrity, screened, UV-resistant

These cables are intended for the stationary distribution of electrical energy in dry or damp premises and for fixed installations in air or concrete. Suitable for hotels, hospitals, underground railways, airports etc. to protect people and technical building equipment in the event of fire.. Not allowed for installations underground or in water. These cables are UV-protected.




### 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.)**
12 x Ø of cable (multicore)
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 73 0895, STN 92 0205: circuit integrity
ČSN EN 13501-6: fire classification

**Core identification**
ČSN 33 0166 ed. 2
ČSN EN 50334

**Temperature range**
Laying temperature: min. -5°C
Operating temperature: -40°C up to 60°C
Conductor temperature: max. 90°C
Short circuit temperature: max. 250°C

### DESIGN



1. Copper conductor, round solid (RE) resp. round stranded (RM)
2. Core insulation (silicone rubber)
3. Inner covering (halogen-free filling compound)
4. Concentric screen (bare copper wires), counter helix (copper tape) and halogen-free plastic tape
5. Sheath (halogen-free polymer compound, brown)

| Number of cores x nominal cross-section / cross-section of screen (mm²) | Max. conductor resistance (Ω/km) | Current rating in the air (A) | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|---|---|---|---|---|
| 3 x 1.5 RE / 1.5 | 12.1 | 24 | 13.7 | 242 |
| 4 x 1.5 RE / 1.5 | 12.1 | 24 | 14.6 | 279 |
| 5 x 1.5 RE / 1.5 | 12.1 | 24 | 15.4 | 310 |
| 7 x 1.5 RE / 2.5 | 12.1 | 16 | 16.3 | 374 |
| 3 x 2.5 RE / 2.5 | 7.41 | 32 | 14.7 | 303 |
| 4 x 2.5 RE / 2.5 | 7.41 | 32 | 15.5 | 342 |
| 5 x 2.5 RE / 2.5 | 7.41 | 32 | 16.4 | 386 |
| 7 x 2.5 RE / 2.5 | 7.41 | 21 | 17.6 | 466 |
| 3 x 4 RE / 4 | 4.61 | 42 | 17.9 | 451 |
| 4 x 4 RE / 4 | 4.61 | 42 | 18.3 | 480 |
| 5 x 4 RE / 4 | 4.61 | 42 | 19.5 | 544 |
| 7 x 4 RE / 4 | 4.61 | 27 | 21.0 | 667 |
| 3 x 6 RE / 6 | 3.08 | 53 | 18.4 | 521 |
| 4 x 6 RE / 6 | 3.08 | 53 | 19.5 | 601 |
| 5 x 6 RE / 6 | 3.08 | 53 | 21.0 | 698 |
| 3 x 10 RE / 10 | 1.83 | 73 | 21.0 | 737 |
| 4 x 10 RE / 10 | 1.83 | 73 | 22.3 | 858 |
| 5 x 10 RE / 10 | 1.83 | 73 | 24.1 | 1007 |
| 3 x 16 RM / 16 | 1.15 | 98 | 23.7 | 1043 |
| 4 x 16 RM / 16 | 1.15 | 98 | 25.3 | 1227 |
| 5 x 16 RM / 16 | 1.15 | 98 | 27.4 | 1447 |
| 3 x 25 RM / 16 | 0.727 | 133 | 27.6 | 1454 |
| 4 x 25 RM / 16 | 0.727 | 133 | 29.8 | 1751 |
| 5 x 25 RM / 16 | 0.727 | 133 | 34.3 | 2245 |
| 3 x 35 RM / 16 | 0.524 | 162 | 31.8 | 1961 |
| 4 x 35 RM / 16 | 0.524 | 162 | 34.5 | 2373 |
| 5 x 35 RM / 16 | 0.524 | 162 | 37.2 | 2810 |
| 3 x 50 RM / 25 | 0.387 | 197 | 35.8 | 2594 |
| 4 x 50 RM / 25 | 0.387 | 197 | 38.6 | 3129 |
| 5 x 50 RM / 25 | 0.387 | 197 | 42.3 | 3739 |
| 3 x 70 RM / 35 | 0.268 | 250 | 41.0 | 3482 |
| 4 x 70 RM / 35 | 0.268 | 250 | 44.2 | 4201 |
| 5 x 70 RM / 35 | 0.268 | 250 | 48.2 | 5030 |
| 3 x 95 RM / 50 | 0.193 | 308 | 45.5 | 4587 |
| 4 x 95 RM / 50 | 0.193 | 308 | 49.5 | 5600 |
| 5 x 95 RM / 50 | 0.193 | 308 | 54.2 | 6726 |
| 3 x 120 RM / 70 | 0.153 | 359 | 48.6 | 5636 |
| 4 x 120 RM / 70 | 0.153 | 359 | 53.1 | 6890 |
| 5 x 120 RM / 70 | 0.153 | 359 | 58.9 | 8393 |
| 3 x 150 RM / 70 | 0.124 | 412 | 53.1 | 6738 |
| 4 x 150 RM / 70 | 0.124 | 412 | 58.8 | 8397 |
| 5 x 150 RM / 70 | 0.124 | 412 | 64.5 | 10092 |
| 3 x 185 RM / 95 | 0.099 | 475 | 59.7 | 8569 |
| 4 x 185 RM / 95 | 0.099 | 475 | 65.1 | 10477 |

| Number of cores x nominal cross-section / cross-section of screen (mm²) | Max. conductor resistance (Ω/km) | Current rating in the air (A) | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|---|---|---|---|---|
| 3 x 240 RM / 120 | 0.075 | 564 | 66.1 | 10896 |
| 4 x 240 RM / 120 | 0.075 | 564 | 72.3 | 13368 |

Technical changes reserved. All figures are therefore without guarantee.



**CONTACT PERSON**

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