

PRAFlaDur+ T

1-CSKH-V180 P15-R - P60-R, PH120-R, P75090-R, PS15 - PS60, B2ca s1a d1 a1 SiR/FRNC energy cables, with circuit integrity, UV resistant, Water resistant

SAFETY CABLES WITH CIRCUIT INTEGRITY

Cables are designed for fixed distribution of electricity in buildings with a high concentration of people to protect them and protect the technical equipment of buildings in the event of fire, where there is no requirement to maintain the functionality of the cable installation in fire. In case of fire, the cable releases a small amount of heat and smoke. The cables are resistant to UV radiation and water AD1-AD7.



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
CPR Classification: 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. 250°C

DESIGN



- 1 Copper conductor, round fine stranded (RF)
- 2 Core insulation (Silicone rubber)
- 3 Inner covering (halogen-free filling compound)
- 4 Sheath (halogen-free polymer compound, brown, UV resistant, Water resistant)

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
2 x 1.5 RF	13.3	45	29	10.5	151
3 x 1.5 RF	13.3	39	24	11.1	171
4 x 1.5 RF	13.3	39	24	12.0	198
5 x 1.5 RF	13.3	39	24	13.2	235
3 x 2.5 RF	7.98	51	32	12.3	222
4 x 2.5 RF	7.98	51	32	13.3	261
5 x 2.5 RF	7.98	51	32	14.4	303
3 x 4 RF	4.95	66	42	14.2	314
4 x 4 RF	4.95	66	42	15.4	373
5 x 4 RF	4.95	66	42	16.8	438
3 x 6 RF	3.3	82	53	14.7	340
4 x 6 RF	3.3	82	53	15.9	411
5 x 6 RF	3.3	82	53	19.2	590
4 x 10 RF	1.91	110	74	20.3	732
5 x 10 RF	1.91	110	74	22.4	890
4 x 16 RF	1.21	142	98	22.9	1017
5 x 16 RF	1.21	142	98	26.3	1310

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