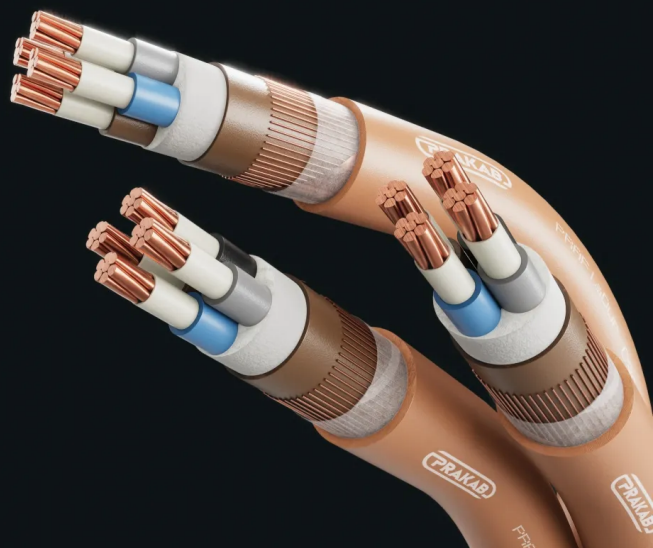


SAFETY CABLES WITH CIRCUIT INTEGRITY

PRAFlaDur C90

(N)HXCH FE180/E90, P90-R, PS90
SiR/FRNC energy cables, with circuit integrity,
screened, UV-resistant



TECHNICAL DATA



Standard
TP PRAKAB 04/08



Rated Voltage
0,6/1 kV



Test Voltage
core/core 4 kV / 50 Hz



Bending radius (min.)
12 x $\varnothing$ of cable (multicore)
15 x $\varnothing$ of cable (singlecore)



Core identification
ČSN 33 0166 ed. 2
ČSN EN 50334



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

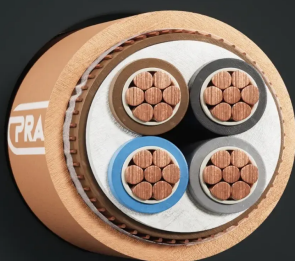


Certificate
EZÚ Czech Republic
TSÚS Slovakia



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

Primary core insulation (silicone rubber)

3

Secondary core insulation (silicone rubber)

4

Inner covering (halogen-free filling compound)

5

Concentric screen (bare copper wires), counter helix (copper tape) and halogen-free plastic tape

6

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	15.5	310
4 x 1.5 RE / 1.5	12.1	24	16.4	346
7 x 1.5 RE / 1.5	12.1	24	18.4	461
2 x 2.5 RE / 2.5	7.41	37	15.7	333
3 x 2.5 RE / 2.5	7.41	31	16.3	368
2 x 4 RE / 4	4.61	49	17.2	403
3 x 4 RE / 4	4.61	41	17.9	451
3 x 6 RE / 6	3.08	52	18.9	556
3 x 25 RM / 25	0.727	126	27.1	1530
4 x 25 RM / 16	0.727	126	30.2	1813
3 x 35 RM / 16	0.524	155	30.5	1887
4 x 35 RM / 16	0.524	155	33.0	2285
4 x 50 RM / 25	0.387	196	38.0	3097
3 x 70 RM / 35	0.268	247	40.0	3430
3 x 95 RM / 95	0.193	294	45.8	5062

CONTACT PERSON

Ing. Štěpán Laštůvka
Product Supervisor
+420 732 912 682
stepan.lastuvka@prakab.com

