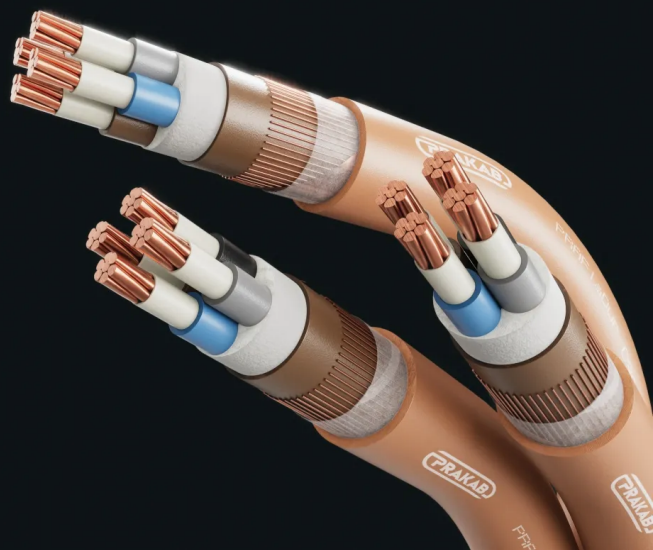


SAFETY CABLES WITH CIRCUIT INTEGRITY

PRAFlaDur C90

(N)HXCH FE180/E90, P90-R, PS90, B2ca s1a d1 a1

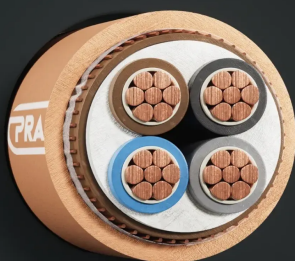
SiR/FRNC energy cables, with circuit integrity, screened



TECHNICAL DATA

**Standard**
TP PRAKAB 04/08**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
OPR: B2ca s1a d1 a1**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 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

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