

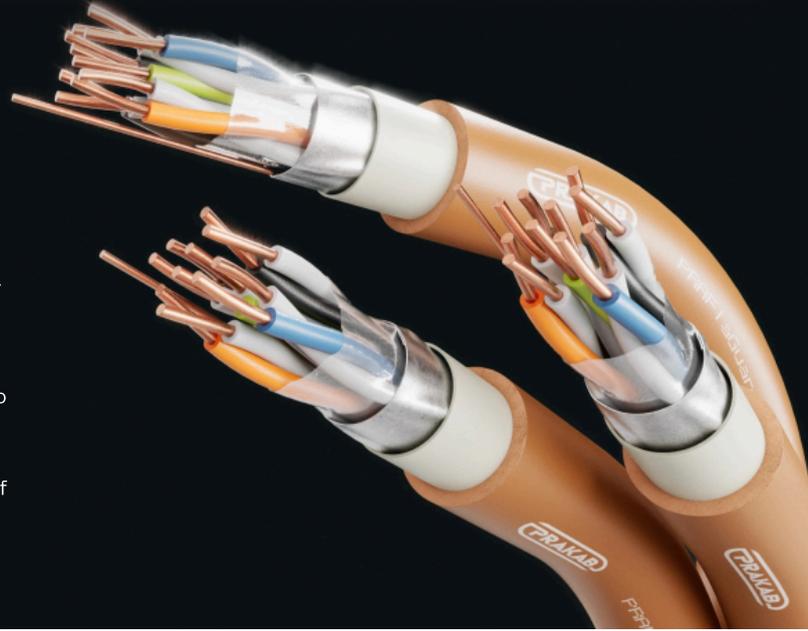


# PRAFlaGuard+ F

SSKFH-V180 P15-R – P90-R, PH120-R, P75090-R, PS15 – PS90 B2ca s1a d1 a1 FRNC low-frequency communication cables, with maintaining the functionality, for outdoor and in-ground use – UV resistant, shielded

SAFETY CABLES WITH CIRCUIT INTEGRITY

The cables are designed for fixed installation in the air or in the ground, but also for installation inside buildings and in places with a high concentration of people, etc., to protect people and technical equipment of buildings where there is a requirement to maintain the functionality of the cable route in case of fire. The cable releases small amounts of heat and smoke in the event of a fire. The cables are UV and water resistant AD1 – AD7.



## TECHNICAL DATA



**Standard**  
TP PRAKAB 05/01



**Certificate**  
EZÚ Czech Republic



**Test Voltage**  
core/core 1,5 kV / 50 Hz  
core/screen 1 kV / 50 Hz



**Rated Voltage**  
100 V



**Bending radius (min.)**  
10 x  $\phi$  of cable up to do 20 mm  
12 x  $\phi$  of cable from 20 mm to 40 mm  
15 x  $\phi$  of cable 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 73 0895, STN 92 0205: circuit integrity  
ČSN EN 13501-6: fire classification  
CPR Classification: B2ca s1a d1 a1

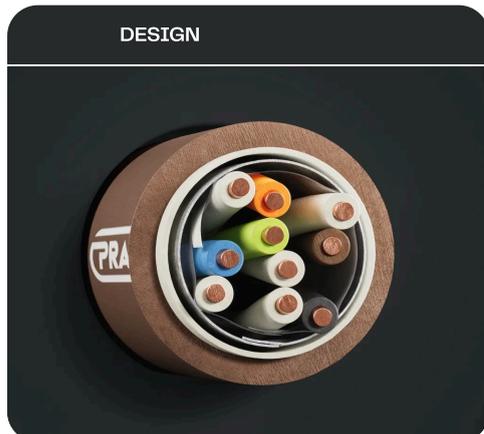


**Core identification**  
IEC 60189-2



**Temperature range**  
Laying temperature: min. -5°C  
Operating temperature: -30°C up to 60°C

## DESIGN



- 1 Copper conductor, round solid (RE)
- 2 Core insulation (silicone rubber), cores pair stranded
- 3 Inner covering (dielectric, separating tape)
- 4 Screen (plastic laminated aluminium tape with CuSn drainwire)
- 5 Inner covering (halogen-free polymer compound)
- 6 Sheath (halogen-free polymer compound, brown, UV resistant, water resistant)

## Electrical parameters

Loop resistance max	Ω/km	75	50	36.2
Mutual capacitance, max.	nF/km	120	120	120
Capacitance unbalance, max. k	pF/500m	400	400	400
Conductor diameter	mm	0.8	1	1.12
Insulation resistance, min. at 20 °C	MΩ/km	500	500	500

Number of pairs x nominal diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)
1 x 2 x 0.8	7.9	76
2 x 2 x 0.8	10.6	118
3 x 2 x 0.8	11.1	139
4 x 2 x 0.8	12.1	169
5 x 2 x 0.8	13.3	200
10 x 2 x 0.8	16.5	313
12 x 2 x 0.8	17.5	362
15 x 2 x 0.8	19.0	427
16 x 2 x 0.8	19.5	448
1 x 2 x 1	8.7	93
2 x 2 x 1	11.9	148
3 x 2 x 1	12.5	178
4 x 2 x 1	13.7	218
5 x 2 x 1	14.9	254
10 x 2 x 1	19.0	421
12 x 2 x 1	20.0	487
15 x 2 x 1	21.9	580
16 x 2 x 1	22.6	621
1 x 2 x 1.12	9.3	106
2 x 2 x 1.12	13.0	172
3 x 2 x 1.12	13.7	208
4 x 2 x 1.12	15.0	257
5 x 2 x 1.12	16.3	301
10 x 2 x 1.12	21.1	508
12 x 2 x 1.12	22.0	579
15 x 2 x 1.12	24.3	704
16 x 2 x 1.12	24.9	742

## CONTACT PERSON

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

