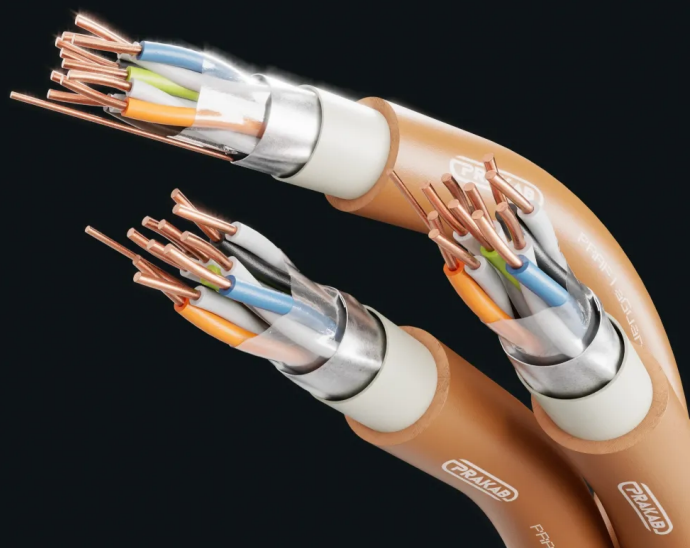


SAFETY CABLES WITH CIRCUIT INTEGRITY

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



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 Ø of cable up to do 20 mm
12 x Ø of cable from 20 mm to 40 mm
15 x Ø 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



Copper conductor, round solid (RE)



Core insulation (silicone rubber), cores pair stranded



Inner covering (dielectric, separating tape)



Screen (plastic laminated aluminium tape with CuSn
drainwire)



Inner covering (halogen-free polymer compound)



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

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