KONEKA

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SAFETY CABLES

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

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 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



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

Technical changes reserved. All figures are therefore without guarantee.

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