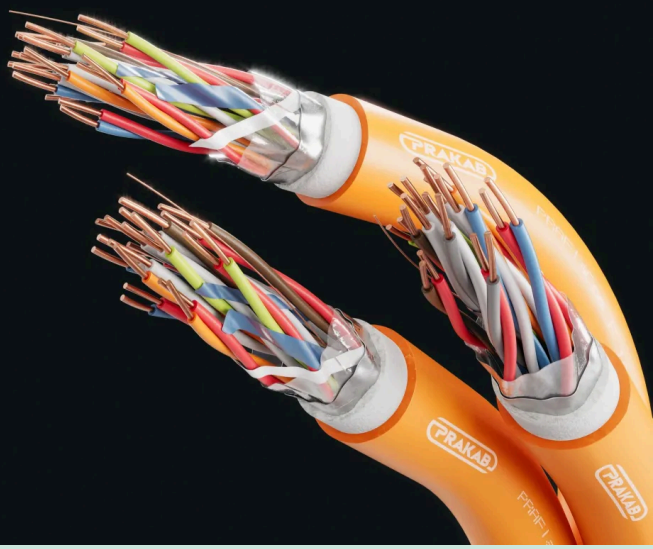
KONEKA

We Make Modern Life Possible.

PRAFlaCom+ F

SHKFH-R B2ca s1a d1 a1
FRNC low-frequency communication cables, shielded, UV resistant, Water resistant

The cables are designed for the transmission of analogue and digital data, to places with a higher risk of fire and a large concentration of people, where there is no requirement to maintain the functionality of the entire cable installation in the event of fire. In case of fire, the cable releases a small amount of heat and smoke. The cables are UV-resistant and water resistant AD1 – AD7



TECHNICAL DATA

Standard
TP PRAKAB 05/01

Certificate
EZÚ Czech Republic
TSÚS Slovakia

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 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 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 (halogen-free polymer compound), cores stranded to pair
3. Inner covering (dielectric, separating tape)
4. Screen (plastic laminated aluminium tape with CuSn drainwire)
5. Inner covering (halogen-free filling compound)
6. Sheath (halogen-free polymer compound, orange, 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	CPR Classification	Outer diameter appr. (mm)	Total weight appr. (kg/km)
1 x 2 x 0.8	B2ca s1a d0 a1	8.7	89
2 x 2 x 0.8	B2ca s1a d0 a1	9.8	107
3 x 2 x 0.8	B2ca s1a d0 a1	10.2	126
4 x 2 x 0.8	B2ca s1a d0 a1	11.1	153
5 x 2 x 0.8	B2ca s1a d0 a1	11.9	175
10 x 2 x 0.8	B2ca s1a d0 a1	14.9	280
12 x 2 x 0.8	B2ca s1a d1 a1	15.6	325
15 x 2 x 0.8	B2ca s1a d1 a1	16.9	382
16 x 2 x 0.8	B2ca s1a d1 a1	17.3	401
20 x 2 x 0.8	B2ca s1a d1 a1	19.0	484
24 x 2 x 0.8	B2ca s1a d1 a1	20.4	571
30 x 2 x 0.8	B2ca s1a d1 a1	22.8	695
1 x 2 x 1	B2ca s1a d1 a1	9.5	104
2 x 2 x 1	B2ca s1a d1 a1	10.1	122
3 x 2 x 1	B2ca s1a d1 a1	10.6	145
4 x 2 x 1	B2ca s1a d1 a1	11.5	178
5 x 2 x 1	B2ca s1a d1 a1	12.4	206
10 x 2 x 1	B2ca s1a d1 a1	15.5	339
12 x 2 x 1	B2ca s1a d1 a1	16.3	399
16 x 2 x 1	B2ca s1a d1 a1	17.7	466
20 x 2 x 1	B2ca s1a d1 a1	18.9	538
24 x 2 x 1	B2ca s1a d1 a1	19.9	599
30 x 2 x 1	B2ca s1a d1 a1	21.9	758
1 x 2 x 1.12	B2ca s1a d1 a1	7.7	80
2 x 2 x 1.12	B2ca s1a d1 a1	10.1	127
3 x 2 x 1.12	B2ca s1a d1 a1	10.6	153
4 x 2 x 1.12	B2ca s1a d1 a1	11.5	187
5 x 2 x 1.12	B2ca s1a d1 a1	12.4	218
10 x 2 x 1.12	B2ca s1a d1 a1	15.5	365
12 x 2 x 1.12	B2ca s1a d1 a1	16.3	424
15 x 2 x 1.12	B2ca s1a d1 a1	17.7	505
16 x 2 x 1.12	B2ca s1a d1 a1	18.1	532
20 x 2 x 1.12	B2ca s1a d1 a1	19.9	647
24 x 2 x 1.12	B2ca s1a d1 a1	21.3	753
30 x 2 x 1.12	B2ca s1a d1 a1	23.9	942

Technical changes reserved. All figures are therefore without guarantee.



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