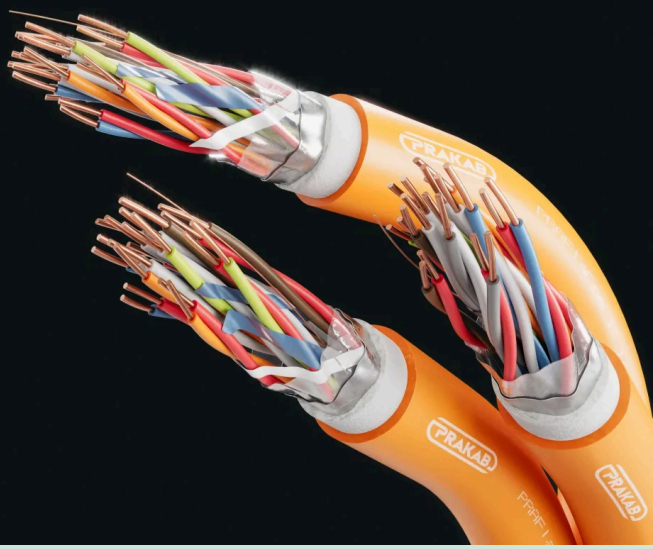
We Make Modern Life Possible.

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				
Conductor diameter	mm	0.8	1	1.12
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
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)	CPR Classification
1 x 2 x 0.8	8.7	89	B2ca s1a d0 a1
2 x 2 x 0.8	9.8	107	B2ca s1a d0 a1
3 x 2 x 0.8	10.2	126	B2ca s1a d0 a1
4 x 2 x 0.8	11.1	153	B2ca s1a d0 a1
5 x 2 x 0.8	11.9	175	B2ca s1a d0 a1
10 x 2 x 0.8	14.9	280	B2ca s1a d0 a1
12 x 2 x 0.8	15.6	325	B2ca s1a d1 a1
15 x 2 x 0.8	16.9	382	B2ca s1a d1 a1
16 x 2 x 0.8	17.3	401	B2ca s1a d1 a1
20 x 2 x 0.8	19.0	484	B2ca s1a d1 a1
24 x 2 x 0.8	20.4	571	B2ca s1a d1 a1
30 x 2 x 0.8	22.8	695	B2ca s1a d1 a1
1 x 2 x 1	9.5	104	B2ca s1a d1 a1
2 x 2 x 1	10.1	122	B2ca s1a d1 a1
3 x 2 x 1	10.6	145	B2ca s1a d1 a1
4 x 2 x 1	11.5	178	B2ca s1a d1 a1
5 x 2 x 1	12.4	206	B2ca s1a d1 a1
10 x 2 x 1	15.5	339	B2ca s1a d1 a1
12 x 2 x 1	16.3	399	B2ca s1a d1 a1
16 x 2 x 1	17.7	466	B2ca s1a d1 a1
20 x 2 x 1	18.9	538	B2ca s1a d1 a1
24 x 2 x 1	19.9	599	B2ca s1a d1 a1
30 x 2 x 1	21.9	758	B2ca s1a d1 a1
1 x 2 x 1.12	7.7	80	B2ca s1a d1 a1
2 x 2 x 1.12	10.1	127	B2ca s1a d1 a1
3 x 2 x 1.12	10.6	153	B2ca s1a d1 a1
4 x 2 x 1.12	11.5	187	B2ca s1a d1 a1
5 x 2 x 1.12	12.4	218	B2ca s1a d1 a1
10 x 2 x 1.12	15.5	365	B2ca s1a d1 a1
12 x 2 x 1.12	16.3	424	B2ca s1a d1 a1
15 x 2 x 1.12	17.7	505	B2ca s1a d1 a1
16 x 2 x 1.12	18.1	532	B2ca s1a d1 a1
20 x 2 x 1.12	19.9	647	B2ca s1a d1 a1
24 x 2 x 1.12	21.3	753	B2ca s1a d1 a1
30 x 2 x 1.12	23.9	942	B2ca s1a d1 a1

Technical changes reserved. All figures are therefore without guarantee.



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