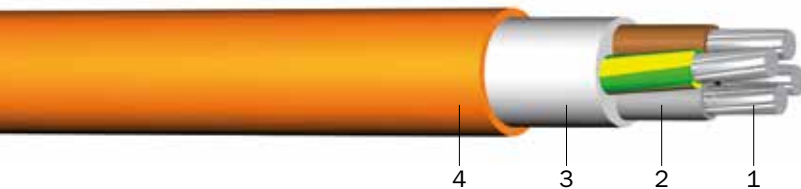


PRAFlaSafe® AX

1-AXKH-R B2_{ca} s1d1a1

Halogen-free energy cable with low heat release rate in case of fire

DESIGN



- 1 | Aluminium conductor, round solid (RE), round stranded (RM), or sector-shaped stranded (SM)
- 2 | Core insulation (XLPE)
- 3 | Inner covering (halogen-free polymer compound)
- 4 | Sheath (halogen-free polymer compound, orange)

APPLICATION

This cable is intended for the stationary distribution of electrical energy in dry or damp premises. Suitable for hotels, hospitals, underground railways, airports etc. to protect people and technical building equipment in the event of fire if circuit integrity is not required. The cable releases little heat and smoke under fire. The cable is not UV-resistant.

TECHNICAL DATA



Standard:
TP PRAKAB 02/99



Rated voltage:
0.6/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
laying temperature: min. -5 °C
operating temperature: -30 °C up to +90 °C
short-circuit temperature: max. +250 °C/5 sec



Bending radius (min.):
6 x Ø of cable for Ø < 20 mm
12 x Ø of cable for Ø 20 mm to 40 mm
15 x Ø of cable for Ø > 40 mm



Core identification:
HD 308 S2



Fire properties:
flame retardant:
EN 60332-1-2
halogen-free, non-corrosive combustion gases:
EN 60754-2
low smoke emission:
EN 61034-2
reduced flame propagation:
EN 60332-3-22
classification of the reaction to fire:
EN 13501-6



Certificate:
EZÚ Czech Republic, TSÚS Slovakia

Number of cores x nominal cross section (mm ²)	Max, conductor resistance (Ω/km)	Current rating in the air (A)	Outer diameter ca. (mm)	Total weight ca. (kg/km)	Standard lengths/packing (m)
PRAFlaSafe® AX					
1 x 25 RM	1.200	136.0	11.4	160	500 D, 1,000 D
3 x 25 RM	1.200	102.0	20.9	650	1,000 D
3 x 25 + 16 RM/RE	1.200/1.910	102.0	22.8	725	1,000 D
4 x 25 RM	1.200	102.0	22.8	785	1,000 D
5 x 25 RM	1.200	69.0	25.7	985	1,000 D
1 x 35 RM	0.868	166.0	12.4	195	500 D, 1,000 D
3 x 35 RM	0.868	126.0	23.6	810	1,000 D
3 x 35 + 25 SM/RM	0.868/1.200	126.0	23.8	700	1,000 D
4 x 35 SM	0.868	126.0	23.8	710	1,000 D
5 x 35 RM	0.868	85.0	31.6	1,180	1,000 D

PRAFlaSafe® AX

1-AXKH-R B2_{ca} s1d1a1

Number of cores x nominal cross section (mm ²)	Max, conductor resistance (Ω/km)	Current rating in the air (A)	Outer diameter ca. (mm)	Total weight ca. (kg/km)	Standard lengths/packing (m)
PRAFlaSafe® AX					
1 x 50 RM	0.641	205.0	14.1	280	500 D, 1,000 D
3 x 50 RM	0.641	149.0	27.2	1,080	1,000 D
3 x 50 + 25 SM/RM	0.641/1.200	149.0	27.2	870	1,000 D
3 x 50 + 35 SM/RM	0.641/0.868	149.0	27.2	890	1,000 D
4 x 50 SM	0.641	149.0	27.2	970	1,000 D
5 x 50 SM	0.641	100.0	31.8	1,200	1,000 D
1 x 70 RM	0.443	260.0	15.8	365	500 D, 1,000 D
3 x 70 RM	0.443	191.0	31.1	1,420	1,000 D
3 x 70 + 35 SM/RM	0.443/0.868	191.0	31.3	1,170	1,000 D
3 x 70 + 50 SM/RM	0.443/0.641	191.0	31.3	1,210	1,000 D
4 x 70 SM	0.443	191.0	31.3	1,310	1,000 D
5 x 70 SM	0.443	137.0	35.7	1,590	1,000 D
1 x 95 RM	0.320	321.0	17.6	450	500 D, 1,000 D
3 x 95 SM	0.320	234.0	29.6	1,280	1,000 D
3 x 95 + 50 SM/RM	0.320/0.641	234.0	35.2	1,500	1,000 D
4 x 95 SM	0.320	234.0	35.2	1,650	1,000 D
5 x 95 SM	0.320	163.0	40.1	2,030	1,000 D
1 x 120 RM	0.253	376.0	19.5	555	500 D, 1,000 D
3 x 120 SM	0.253	273.0	32.5	1,540	1,000 D
3 x 120 + 50 SM/RM	0.253/0.641	273.0	39.1	1,790	1,000 D
4 x 120 SM	0.253	273.0	39.1	2,020	1,000 D
5 x 120 SM	0.253	188.0	43.9	2,520	1,000 D
1 x 150 RM	0.206	431.0	21.2	665	500 D, 1,000 D
3 x 150 SM	0.206	311.0	36.3	1,850	500 D
3 x 150 + 70 SM/RM	0.206/0.443	311.0	43.0	2,170	500 D
4 x 150 SM	0.206	311.0	43.0	2,430	500 D
5 x 150 SM	0.206	211.0	49.4	3,110	500 D
1 x 185 SM	0.164	501.0	23.6	810	500 D, 1,000 D
3 x 185 + 95 SM/RM	0.164/0.320	360.0	48.3	2,730	500 D
4 x 185 SM	0.164	360.0	48.3	3,050	500 D
5 x 185 SM	0.164	243.0	53.9	3,780	500 D
1 x 240 SM	0.125	600.0	26.5	1,050	500 D, 1,000 D
3 x 240 + 120 SM/RM	0.125/0.253	427.0	54.5	3,470	500 D
4 x 240 SM	0.125	427.0	54.5	3,890	500 D
5 x 240 SM	0.125	287.0	60.1	4,820	500 D
1 x 300 RM	0.100	696.0	29.4	1,270	500 D, 1,000 D

Subject to technical changes.