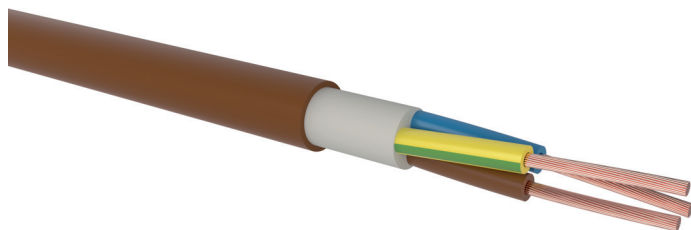


PRAFlaDur +T

SiR/FRNC copper energy cables, with insulation integrity and class 5 cores

1-CSKH-V180 RF P15-R - P60-R, P₇₅₀90-R (M), B2_{ca}s1ad1a1

DESIGN



- 1 | Copper conductor (RF, class 5 acc. EN60228)
- 2 | Core insulation (silicone rubber)
- 3 | Inner covering (halogen-free filling compound)
- 4 | Sheath (halogen-free polymer compound, brown, UV resistant)

APPLICATION

Cables are designed for fixed distribution of electricity in buildings with a high concentration of people to protect them and protect the technical equipment of buildings in the event of fire, where there is requirement to maintain the functionality of the cable installation in fire. In case of fire, the cable releases a small amount of heat and smoke. The cables are resistant to UV radiation and water AD1-AD7.

TECHNICAL DATA



Standard:
TP PRAKAB 01/21



Rated voltage:
0.6/1 kV



Test voltage:
core / core 4 kV / 50 Hz



Temperature range:
laying temperature: min. -5 °C
operating temperature: -40 °C up to 60 °C
conductor temperature: max. 90 °C
short circuit temperature: max. 250 °C/5 s



Bending radius (min.):
15 x Ø of cable



Core identification:
HD 308 S2



Fire properties:
EN 60332-1-2: flame retardant
EN 60754-2: halogen-free, non-corrosive combustion gases
EN 61034-2: low smoke emission
EN IEC 60332-3-22 and 24: reduced flame propagation
EN IEC 60331-21 – insulation integrity 180 minutes
EN 13501-6: fire classification
CPR classification: B2_{ca}s1a d1 a1

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
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3 x 1.5 RF	13.3	31	24	10.8	168	1000 D
5 x 1.5 RF	13.3	21	16	12.8	232	1000 D
3 x 2.5 RF	7.98	40	32	11.9	219	1000 D
5 x 2.5 RF	7.98	27	22	14.3	307	1000 D
5 x 4 RF	4.95	35	28	16.5	435	1000 D
5 x 6 RF	3.3	46	36	18.7	581	1000 D
5 x 10 RF	1.91	60	49	21.9	874	500 D
5 x 16 RF	1.21	77	65	22.4	1001	500 D

Technical changes reserved. All figures are therefore without guarantee.