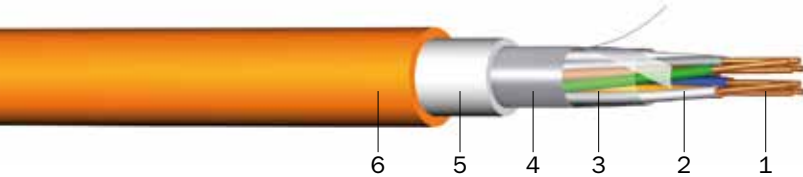


# PRAFlaCom® F

B2<sub>ca</sub>s1d1a1

Halogen-free low frequency communication cable with aluminium screen and low heat release rate in case of fire

## DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (halogen-free polymer compound), cores pair stranded
- 3 | Inner covering (dielectric, separating tape)
- 4 | Screen (plastic laminated aluminium tape with Cu drain wire)
- 5 | Inner covering (halogen-free polymer compound)
- 6 | Sheath (halogen-free polymer compound, orange, UV resistant)

## APPLICATION

This cable is intended for the transmission of analog and digital data in premises where there is an increased risk of fire and a great concentration of people, 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 05/0



**Rated voltage:**  
100 V



**Test voltage:**  
core/core: 1 kV/50 Hz



**Temperature range:**  
laying temperature: min. -5 °C  
operating temperature: -30 °C up to +90 °C



**Bending radius (min.):**  
10 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:**  
IEC 60189-2



**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

## ELECTRICAL PARAMETERS

	(mm)	0.5	0.8
Conductor diameter	(mm)	195.6	75.0
Loop resistance, max.	(Ω/km)	120	120
Mutual capacitance, max. at 800 Hz	(nF/km)	400	400
Capacitance unbalance, max. at 800 Hz	(pF/500 m)	500	500
Insulation resistance, min.	(MΩ.km)		

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
PRAFlaCom® F			
1 x 2 x 0.5	6.0	50	100 R, 1,000 D
2 x 2 x 0.5	8.1	75	100 R, 1,000 D
3 x 2 x 0.5	8.4	85	100 R, 1,000 D
4 x 2 x 0.5	9.1	100	100 R, 1,000 D
5 x 2 x 0.5	9.9	115	100 R, 1,000 D
10 x 2 x 0.5	12.8	185	1,000 D

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Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
PRAFlaCom® F			
1 x 2 x 0.8	7.1	70	100 R, 1,000 D
2 x 2 x 0.8	9.5	110	100 R, 1,000 D
3 x 2 x 0.8	9.9	130	100 R, 1,000 D
4 x 2 x 0.8	10.9	160	100 R, 1,000 D
5 x 2 x 0.8	11.8	185	100 R, 1,000 D
10 x 2 x 0.8	14.9	300	1,000 D

Subject to technical changes.