



Halogen-free cables for electronic security systems



* VUKI a.s. * CHTFE-R * 1234 m



Application:

Cables type CHTH-R, CHTFE-R are suitable for electronic security systems (EZS). Cables are suited for signal transmission, with resistance to flame propagation according to STN EN 60332-3... (STN EN 50266-2-...), halogen-free, with low density of smoke according to STN EN 61034-2 and low corrosivity of combustion gases according to STN EN 50267-2-3. These are used for fixed installation both in normal and moist environments (STN 33 2000-5-51). Cables can be used in the fire hazard conditions and can be installed on flammable material.

Cable construction:

- **Number of cores:** 2 - 10
- **Cable cores:** copper conductor cl. 1
- **Nominal diameter:** Power supply conductors: 0,5 mm, 0,6 mm, 0,8 mm, 1,0 mm
Signal conductors: 0,3 mm, 0,4 mm, 0,5 mm, 0,6 mm, 0,8 mm
- **Insulation:** EPR and combinations
- Cores are stranded in layer.
- **Shield construction (only for type CHTFE-R):** PET tape + AlPET tape with CuSn wire
- **Sheath cable:** halogen-free, flame-retardant material
- **Colour of sheath:** orange or other if required

Technical data:

- **Operating temperature:** -40 °C to +70 °C
- **Min. temperature for laying:** -5 °C
- **Min. bending radius:** 15 x cable diameter

Marking:

- **CHTFER 2 x a + n x b**
a - diameter of a core of power supply conductors
n - number of a signal conductors in the cable
b - diameter of a core of signal conductors

If diameter of power supply and signal conductors is identical, in numeric mark *n* means total number of conductors in cable. The first part of numeric marking (2 x b) is not listed.

Colour marking:

- power supply conductors: red, black
- signal conductors: white, yellow, blue, green, grey, brown, orange, purple

Technical table:

Conductor diameter	[mm]	0,3	0,4	0,5	0,6	0,8	1
Core diameter	[mm]	0,7	0,8	1	1,2	1,6	1,8
Effective resistance	[Ω/km]	264	152	97,6	64,8	36,0	25
Test voltage	[V]	500	1000	1000	1000	1500	1500

