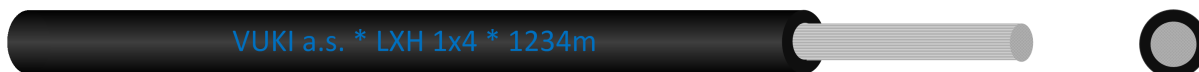




Single-core halogen-free flexible wires



Application:

Single-core wires with resistance to flame propagation according to STN EN 60332-3... (STN EN 50266-2-...), halogen-free, with low density of smoke emitted during a fire according to STN EN 61034-2 and with low corrosivity of gases emitted during a fire according to STN EN 50267-2-3. These are used for nominal voltage of 450V/750V and 0,6/1 kV for fixed installation both in ordinary and damp environments (STN 33 2000-5-51). Wires can be used in the fire hazard conditions and can be installed on flammable material.

Cable construction:

- **Number of cores:** 1
- **Cable cores:** CuSn conductor cl. 5 (RM)
- **Cross-section:** 0,25 mm², 0,5 mm², 0,75 mm², 1,0 mm², 1,5 mm², 2,5 mm², 4 mm², 6 mm², 10 mm², 16 mm², 25 mm²
- **Insulation:** XHFFR
- **Colour of insulation:** black, yellow-green, brown, blue, grey, orange, white, violet, yellow, red

Technical data:

- **Nominal voltage U₀/U :** 450V/750V (0,25mm² - 1,0mm²) 0,6/1kV (1,5mm² - 70mm²)
- **Test voltage [kV]:** 4
- **Max. short-circuit temperature:** 250°C
- **Operating temperature:** -40 °C to +120 °C
- **Min. temperature for laying:** -5 °C
- **Min. bending radius:** 8 x cable diameter

Marking:

- **Letter code:**
- | position | letter | meaning |
|----------|--------|----------------------|
| 1. | L | CuSn conductor cl. 5 |
| 2. | XH | XHFFR |



Application table:

Nominal cross-section	Effective resistance of conductors	Weight of CuSn conductor	Outer diameter (appr.)
mm ²	Ω/km	kg	mm
0,25 RM	82,0	2,24	1,5
0,50 RM	40,1	4,47	1,7
0,75 RM	26,7	6,78	2,2
1,00 RM	20,0	9,04	2,6
1,50 RM	13,7	13,3	2,7
2,50 RM	8,21	22,1	3,4
4,00 RM	5,09	36	4,1
6,00 RM	3,39	53	5,0
10,00 RM	1,95	90,4	6,2
16,00 RM	1,24	145,2	7,4
25,00 RM	0,795	217,8	8,9