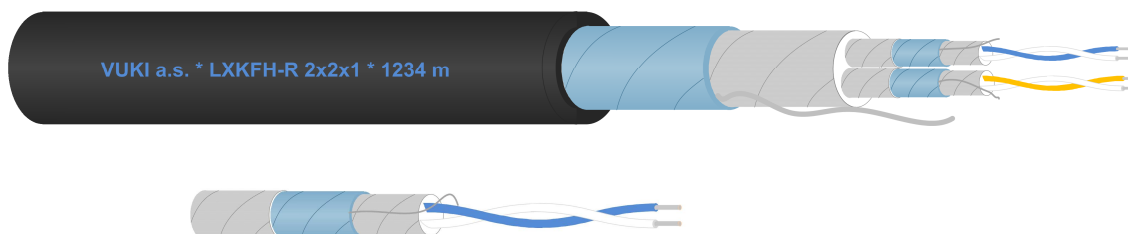




Halogen-free signal cables



VUKI a.s. \* LXXKFH-R 2x2x1 \* 1234 m

### Application:

Signal cables designed to link procedural devices and control equipment with control system or security system, with galvanically isolated pairs or triples. They are 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 nominal voltage of 300 V 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. They are UV stabilized, meet the requirements for use and installation in the free environment with UV light (Africa, Middle East, Latin America).

### Cable construction:

- **Number of pairs:** 1 - 24
- **Cable cores:** CuSn conductor cl. 5
- **Nominal cross-section:** 0,75 mm<sup>2</sup> - 1,5 mm<sup>2</sup>
- **Insulation:** cross-linked polyethylene
- **Pairs(triples):** galvanically isolated (PET tape + ALPET tape with CuSn wire 0,8 mm + PET tape)
- **Shield construction:** ALPET + CuSn wire 0,2mm<sup>2</sup>
- **Sheath:** halogen-free, flame-retardant material
- **Colour of sheath:** black or other if required, stabilized against UV radiation

### Technical data:

- **Nominal voltage U<sub>0</sub>/U (V):** 600 (not for power purpose)
- **Test voltage [kV]:** 2,5
- **Operating temperature:** -30 °C +90 °C
- **Min. temperature for laying:** +5 °C
- **Min. bending radius:** 15 x cable diameter

### Letter code:

**Color code:** Acc. IEC 189-2

**Letter code:**

position	letter	meaning
1.	L	Stranded copper wire cl.5 (L2- tr.2)
2.	X	cross-linked polyethylene
3.	K	unshielded cable
	KF	Shielded cable
4.	H	halogen-free, flame-retardant material
5.	R	cable is flame-retardant
6.	ar	Cable with anti-rodent protection
7.	wr	Cable is in water-resistant design



Application table:

Type	Overall diameter appr. mm	Cable weight appr. kg/km
LXKSE(FeZn)H-R 1x2x0,75	11,5	200
LXKSE(FeZn)H-R 4x2x0,75	17,4	430
LXKSE(FeZn)H-R 1x2x1	11,8	207
LXKSE(FeZn)H-R 2x2x1	16,2	330
LXKSE(FeZn)H-R 6x2x1	22,2	657
LXKSE(FeZn)H-R 10x2x1	27,8	890
LXKSE(FeZn)H-R 1x2x1,5	12,8	212