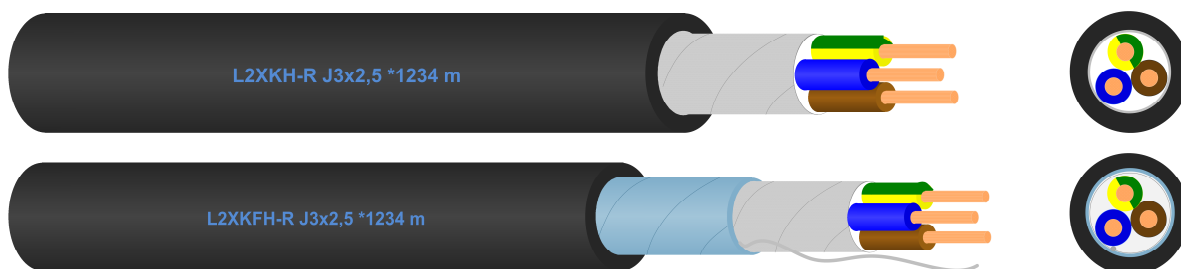


5. INDUSTRIAL CABLES / 5.1 HALOGEN-FREE / L(2)XK(F)H-R (ar)(wr)



Halogen-free 1kV power cables



Application:

Power cables 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 nominal voltage of 0,6/1 kV 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 cores:** 1 - 32
- **Cable cores:** L - copper conductor cl. 5 (L2 - copper conductor cl. 2)
- **Nominal cross-section:** 0,9 mm² - 10 mm²
- **Insulation:** cross-linked polyethylene
- **Overall shielding:** K - unshielded cable
KF - PET tape + AIPET tape with CuSn wire diameter 0,8 mm
- **Sheath cable:** halogen-free, flame-retardant material
- **Colour of sheath:** black or other if required, stabilized against UV radiation

Technical data:

- **Nominal voltage U₀/U (kV):** 0,6/1
- **Test voltage [kV]:** 2,5
- **Max. short-circuit temperature:** 90 °C
- **Operating temperature:** -30 °C to +90 °C
- **Min. temperature for laying:** +5 °C
- **Min. bending radius:** 15 x cable diameter

Marking:

Colour code:	IEC 60446 (HD 308 S2), or other if required	
Letter code:		
Position	Letter	Meaning
1.	L (L2)	Stranded copper wire cl.5 (L2- tr.2)
2.	X	Cross-linked polyethylene
3.	KF	Shielded
	K	Unshielded
4.	H	halogen-free, flame-retardant material
5.	R	Cabel is flame-retardand
6.	ar	Cable with anti-rodent protection
7.	wr	Cable is in water-resistant design

5. INDUSTRIAL CABLES / 5.1 HALOGEN-FREE / L(2)XK(F)H-R (ar)(wr)



Application table:

Type	Outer diameter appr. mm	Cable weight appr. kg/km
L2XKH-R 2x1,5	9,5	114
L2XKH-R 3x1,5	9,5	135
L2XKH-R 3x2,5	10,6	170
LXKH-R 3x4	12,2	234
LXKH-R 3x6	14,0	274
L2XKH-R 4x1,5	10,3	170
L2XKH-R 5x1,5	11,8	206
LXKH-R 5x10	21,1	720
L2XKH-R 5x2,5	12,6	255
LXKH-R 5x4	15	340
LXKH-R 5x6	17,4	456
LXKH-R 7x1,5	11,7	192
L2XKFH-R 2x0,9	8,0	84
L2XKFH-R 2x1	8,0	84
L2XKFH-R 2x1,5	8,9	106
L2XKFH-R 2x2,5	10,6	125
L2XKFH-R 3x1,5	9,0	135
L2XKFH-R 4x1,5	10,3	150
L2XKFH-R 5x1	10,1	145
L2XKFH-R 5x1,5	11,6	200
LXKFH-R 6x1,5	11,8	222
L2XKFH-R 7x1	10,9	170
LXKFH-R 7x1,5	11,7	200
LXKFH-R 8x1,5	13,0	242
L2XKFH-R 12x1	14,0	254
L2XKFH-R 12x1,5	15,5	335
L2XKFH-R 12x2,5	17,5	468
L2XKFH-R 14x1,5	16,2	380
L2XKFH-R 18x1	16,2	346
L2XKFH-R 32x1,5	23,5	805
LXKFH-R 4x16	21,6	817