

2XSLCHK-J 0,6/1 kV

Flexible halogen-free flame motor connection cables for frequency converters, 4 cores version



2XSLCHK-J 4 cores version

Construction:

conductors:	bare, annealed copper conductors, class 5 according to EN 60228
core insulation and arrangement:	cross-linked polyethylene XLPE, cores twisted together
core identification:	black, brown, grey, green-yellow
screens:	electrostatic screen made of aluminium coated tape and second screen made of tinned copper wire braid with coverage ~85%
outer sheath:	UV resistant halogen-free compound, self-extinguishing and flame retardent acc. to EN 60332-1, EN 60332-3-22, IEC 60332-3 cat. A
outer sheath colour:	black

Technical data:

operating temperature:	Fixed installation: -40°C to 90°C Min. installation temperature: -5°C
Max. conductor operating temperature:	90°C
Max. conductor temperature in shortcircuit:	250°C (1 sec.)
operating voltage:	U ₀ /U = 0,6/1kV
test voltage:	3500V
Capacitance:	conductor/conductor = 80 to 250nF/km conductor/screen = 140 to 410nF/km
Insulation resistance:	> 2000MΩ x km
bending radius:	flexible 20 x D stationary 10 x D

Application:

Cables with special construction, used to supply power to motors from frequency converters while maintaining full electromagnetic compatibility (EMC). The XLPE insulation improves current carrying capacity maintaining at the same time low capacitance in comparison to PVC insulated cables. The cables are suitable for fixed installation as well as flexible connections in industrial equipment, process lines and machines operating in dry and damp rooms. The black UV-resistant sheath enables installation outside of buildings. The cable is also suitable for direct underground installations.

The products and information presented here are for technical calculation only.

They are subject to technical progress and in no way represent the ability of shipment.

Outer diameters are approximately.

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KENEX part number	number cores x cross section mm ²	current carrying capacity A at 30°C	outer diameter ca. mm	copper weight kg/km	cable weight ca. kg/km
1804150KH	2XSLCHK-J 4 G1,5	23	12,3	95	230
1804250KH	2XSLCHK-J 4 G 2,5	32	13,3	150	300
1804400KH	2XSLCHK-J 4 G 4	42	14,7	235	485
1804600KH	2XSLCHK-J 4 G 6	54	16,0	320	630
1841000KH	2XSLCHK-J 4 G 10	75	18,8	533	860
1841600KH	2XSLCHK-J 4 G 16	100	21,5	789	1290
1842500KH	2XSLCHK-J 4 G 25	127	26,0	1236	1860
1843500KH	2XSLCHK-J 4 G 35	158	28,9	1662	2610
1845000KH	2XSLCHK-J 4 G 50	192	33,2	2345	2950
1847000KH	2XSLCHK-J 4 G 70	246	38,4	3196	3950
1849500KH	2XSLCHK-J 4 G 95	298	43,0	4316	5300
1841200KH	2XSLCHK-J 4 G 120	346	46,7	5435	6600
1841500KH	2XSLCHK-J 4 G 150	399	53,7	6394	7040
1841850KH	2XSLCHK-J 4 G 185	456	60,0	7639	8340
1842400KH	2XSLCHK-J 4 G 240	528	66,1	10013	11300