KENEX
SPEZIALKABEL / SPEZIALLEITUNGEN

3plus 2XSLCHK-J 0,6/1 kV

Flexible halogen-free flame motor connection cables for frequency converters, symmetric construction

Construction:

conductors:	bare, annealed copper conductors, class 5 according to EN 60228 Protective conductor is divided into 3 cores
core insulation and arrangement:	cross-linked polyethylene XLPE, cores twisted together in symmetric construction, protective earth conductors split into three arranged symmetrically every 120°
core identification:	black, brown, grey, 3 x green-yellow (3+3PE)
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:	Uo/U = 0,6/1kV
test voltage:	3500V
Capacitance:	conductor/conductor = 80 to 250nF/km conductor/screen = 140 to 410nF/km
Insulation resistance:	> 2000MOhm 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 comparioson 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.

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KENEX part number	number cores x cross section mm²	current carrying capacity A at 30°C	outer diameter ca. mm	copper weight kg/km	cable weight ca. kg/km
483153025H	2XSLCHK-J 3 x 1,5 + 3 G 0,25	23	11,2	86	169
483253050H	2XSLCHK-J 3 x 2,5 + 3 G 0,5	32	12,3	143	220
483403075H	2XSLCHK-J 3 x 4 + 3 G 0,75	42	13,2	224	280
483603100H	2XSLCHK-J 3 x 6 + 3 G 1	54	14,3	298	357
483103150H	2XSLCHK-J 3 x 10 + 3 G1,5	75	16,7	491	530
483160325H	2XSLCHK-J 3 x 16 + 3 G 2,5	100	19,1	723	765
483250340H	2XSLCHK-J 3 x 25 + 3 G 4	127	23,3	1137	1150
483350360H	2XSLCHK-J 3 x 35 + 3 G 6	158	25,7	1535	1515
483500310H	2XSLCHK-J 3 x 50 + 3 G 10	192	29,6	2208	2095
483700310H	2XSLCHK-J 3 x 70 + 3 G 10	246	34,3	2871	2825
483950316H	2XSLCHK-J 3 x 95 + 3 G 16	298	38,2	3953	3690
483120316H	2XSLCHK-J 3 x 120 + 3 G 16	346	41,6	4838	4490
483150325H	2XSLCHK-J 3 x 150 + 3 G 25	399	47,8	5488	5680
483185335H	2XSLCHK-J 3 x 185 + 3 G 35	456	53,4	6968	6995
483240350H	2XSLCHK-J 3 x 240 + 3 G 50	528	60,7	9148	9400