



conductor:	plain finely stranded copper, Class 5 according to VDE 0295 or IEC 60228
protective conductor:	plain finely stranded copper, Class 5 according to VDE 0295 or IEC 60228 - for cross sections > 16qmm the protective conductor is divided into 3 cores
insulation:	halogen free special XLPE according to IEC 60502-4 max. core temperature: 90°C
core identification:	colour: according to HD 308 S2
screen:	multilayer screen, EMC - optimized regarding to radio frequency interference field strength and voltage according to EN 55011 or DIN VDE 0875 1. Layer: Al - coated tape 2. Layer: braid of tinned copper wires
outer sheath:	halogen free compound complying with SHF1 according to IEC 60092-359 and HM4 according to VDE 207 part 24, UV-resistance
sheath colour:	black
test voltage:	4000 V
continuous operating voltage Uc:	max. 1,2 kV
rated voltage Uo/U (Um):	0,6/1 kV
pick voltage (num):	max. 1,7 kV
mechanical resistance to impacts:	normal industrial use
electro magnetic interference resistance:	Yes
gases toxicity:	no toxicity to IEC 60754-1
gases corrosivity:	IEC 60754-2
UV-resistance:	Yes
flame retardant:	IEC 60332-3 Cat. A
operating temperature:	-5°C to +90°C flexible -5°C to +90°C fixed
dynamic bending factor:	20 (xD)
bending factor when installed:	10 (xD)
oil resistance:	Yes
ozone resistance:	Yes
conductor temperature in service:	max. +90°C
RoHS conform:	Yes

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.

application:

Especially for frequency converter controlled AC drives. For fixed installation and occasional free flexing indoors in dry, damp and wet conditions, as well as outdoors for low mechanical stress. Not suitable for the installation direct in ground and in water. Cores are normally identified by colours according to HD 308 S2. This product is also dedicated to wind turbines.

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM ²	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
1804150KH	2XSLSTCH-J 4 x 1,5	11,0	95,0	230
1804250KH	2XSLSTCH-J 4 x 2,5	12,5	146,0	300
1804400KH	2XSLSTCH-J 4 x 4,0	15,5	238,0	390
1804600KH	2XSLSTCH-J 4 x 6,0	17,5	299,0	420
1841000KH	2XSLSTCH-J 4 x 10	19,5	533,0	780
483160325H	2XSLSTCH-J 3 x 16 + 3 x 2,5	22,5	723,0	820
483250340H	2XSLSTCH-J 3 x 25 + 3 x 4	26,0	989,0	1150
483350360H	2XSLSTCH-J 3 x 35 + 3 x 6	29,5	1334,0	1550
483500310H	2XSLSTCH-J 3 x 50 + 3 x 10	35,0	2208,0	2400
483700310H	2XSLSTCH-J 3 x 70 + 3 x 10	38,5	2871,0	3100
483950316H	2XSLSTCH-J 3 x 95 + 3 x 16	44,0	3953,0	4200
483120316H	2XSLSTCH-J 3 x 120 + 3 x 16	48,0	4276,0	4630
483150325H	2XSLSTCH-J 3 x 150 + 3 x 25	53,0	5488,0	5880
483185335H	2XSLSTCH-J 3 x 185 + 3 x 35	58,0	6969,0	7200
483240350H	2XSLSTCH-J 3 x 240 + 3 x 50	66,0	8899,0	9600
483300350H	2XSLSTCH-J 3 x 300 + 3 x 50	73,0	10690,0	11530

Electrical Datas

Type	Capacitance nF/km	Inductance mH/km	Reactance Ω/km [50Hz]	AC Resistance Ω/km [90°C]	Voltage drop mV/A*m [90°C]
2XSLSTCH-J 4 x 1,5	203	0.311	0.0977	16.931	30.476
2XSLSTCH-J 4 x 2,5	256	0.290	0.0910	10.159	18.285
2XSLSTCH-J 4 x 4,0	280	0.272	0.0853	6.301	11.342
2XSLSTCH-J 4 x 6,0	329	0.259	0.0812	4.201	7.562
2XSLSTCH-J 4 x 10	394	0.244	0.0765	2.431	4.377
2XSLSTCH-J 3 x 16 + 3 x 2,5	260	0.233	0.0733	1.540	2.773
2XSLSTCH-J 3 x 25 + 3 x 4	268	0.234	0.0736	0.993	1.787
2XSLSTCH-J 3 x 35 + 3 x 6	300	0.228	0.0718	0.705	1.269
2XSLSTCH-J 3 x 50 + 3 x 10	311	0.226	0.0710	0.491	0.884
2XSLSTCH-J 3 x 70 + 3 x 10	343	0.224	0.0703	0.346	0.623
2XSLSTCH-J 3 x 95 + 3 x 16	369	0.219	0.0689	0.262	0.472
2XSLSTCH-J 3 x 120 + 3 x 16	401	0.218	0.0686	0.205	0.369
2XSLSTCH-J 3 x 150 + 3 x 25	407	0.220	0.0690	0.164	0.296
2XSLSTCH-J 3 x 185 + 3 x 35	411	0.221	0.0693	0.135	0.243
2XSLSTCH-J 3 x 240 + 3 x 50	418	0.219	0.0687	0.102	0.184

All data are only approximate values