



conductor material: stranded bare Cu conductor, fine wire
strand structure: strand structure to VDE 0295, class 5/ IEC 60228 class 5
insulation: polyethylene (PE)
cores: black, brown, grey and green-yellow protective conductor;
 cores twisted in layers, with optimal lay lengths
screening: aluminium foil screening, 100% and
 tinned copper braided screening
outer sheath: special PVC, flame retardant
sheath colour: black

rated voltage Uo/U: 600/1000 V
AC test voltage: 2500 V
AC crest voltage: \hat{U} 1700V
low mutual capacitance: test to DIN VDE 0472 part 504, test method B
temperature range: -5 to +70°C flexible
 -25 to +70°C during installation
 -40 to +70°C stationary
flame retardant: to IEC 60332-1

application: EMC motro power supply cable with overall foil and copper screening used for the connectin of a frequency converter with a frequency converter controlled motor. Employed in connection with machine tools, handling gear, machining and processing equipment, assembly and production lines, etc. when exposed to mean mechanical strain. Stationary installation and occasional free movement without exposure to tensile load and without forced movement control. Installation in dry, damp and wet environments. Outdoor installation also permitted.

Bending radius for the following outer cable diameters

installation	< 12 mm	12-20 mm	over 20 mm
flexible	approx. 10 x D	approx. 15 x D	approx. 20 x D
stationary	approx. 5 x D	approx. 7,5 x D	approx. 10 x D

*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.*

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM ²	Ampere Free in Air 30°C	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
1804150K	4 G 1,5	18	10,4	95	154
1804250K	4 G 2,5	26	12,3	150	229
1804400K	4 G 4	34	14,5	235	339
1804600K	4 G 6	44	16,8	320	451
1841000K	4 G 10	61	19,7	533	667
1841600K	4 G 16	82	22,0	789	892
1842500K	4 G 25	108	27,0	1236	1440
1843500K	4 G 35	135	30,3	1663	1861
1845000K	4 G 50	168	35,0	2345	2547
1847000K	4 G 70	207	39,4	3196	3404
1849500K	4 G 95	250	46,0	4316	4888
1841200K	4 G 120	292	51,4	5435	5703
1841500K	4 G 150	335	58,8	6394	7040
1841850K	4 G 185	382	61,1	8203	9150
1842400K	4 G 240	453	70,0	11008	12500
1843000K	4 G 300	523	61,1	13485	15508