



<b>conductor material:</b>	bare copper, extra fine wire conductors, to VDE 0295 cl.6 col.4/IEC 60228 cl.6
<b>insulation:</b>	special PVC Z 7225
<b>wrapping:</b>	with fleece
<b>sheathing material:</b>	special PVC TM5, to DIN VDE 0281 part 1 and HD 21.1
<b>core identification:</b>	black cores with continuous white figure imprint to VDE 0293
<b>stranding:</b>	in layers with optimal selected lay length
<b>protective conductor:</b>	green-yellow in the outer layer (3 cores and above)
<b>sheathing colour:</b>	grey RAL 7001
<b>marking:</b>	with meter marking
<b>nominal voltage U0:</b>	300 V
<b>nominal voltage U:</b>	500 V
<b>test voltage:</b>	4000 V
<b>breakdown voltage:</b>	min. 8000 V
<b>temperature range, moved:</b>	-5 up to +80°C
<b>temperature range, fixed:</b>	-40 up to 80°C
<b>insulation resistance:</b>	min. 20 Mohm x km
<b>min. bending radius, moved:</b>	7,5 x D
<b>min. bending radius, fixed:</b>	4 x D
<b>radiation resistance:</b>	up to 80x10 <sup>6</sup> cJ/kg (up to 80Mrad)

**application:** This cable is ideal for use in the machine tool industry, in robotics and machine production and anywhere high flexibility is essential. KENFLEX 100 has shown excellent performance in combination with standard cable trays. This type is suitable for flexible use for medium mechanical stresses with free movements.

**resistance / features:**

- PVC self-extinguishing and flame retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2/IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)	- the materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers
- oil resistant to DIN/EN 60811-2-1	

*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 <sup>2</sup>	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
0902050P	KENFLEX 100 2 x 0,50 OZ	5,0	9,6	46
0903050P	KENFLEX 100 3 x 0,50	5,3	14	57
0904050P	KENFLEX 100 4 x 0,50	5,7	19	70
0904050P	KENFLEX 100 5 x 0,50	6,4	24	93
0907050P	KENFLEX 100 7 x 0,50	7,5	34	127
0907050PO	KENFLEX 100 7 x 0,50 OZ	7,5	34	127
0910050P	KENFLEX 100 10 x 0,50	9,1	48	161
0912050P	KENFLEX 100 12 x 0,50	9,2	58	177
0914050P	KENFLEX 100 14 x 0,50	9,8	67	213
0916050P	KENFLEX 100 16 x 0,50	10,3	77	260
0918050P	KENFLEX 100 18 x 0,50	11,1	86	284
0920050P	KENFLEX 100 20 x 0,50	11,6	96	318
0925050P	KENFLEX 100 25 x 0,50	13,4	120	363
0930050P	KENFLEX 100 30 x 0,50	13,7	144	432
0934050P	KENFLEX 100 34 x 0,50	15,0	163	487
0936050P	KENFLEX 100 36 x 0,50	15,0	173	518
0942050P	KENFLEX 100 42 x 0,50	16,1	202	575
0950050P	KENFLEX 100 50 x 0,50	17,9	240	675
0961050P	KENFLEX 100 61 x 0,50	19,6	290	829
0902075P	KENFLEX 100 2 x 0,75 OZ	5,4	14,4	58
0903075P	KENFLEX 100 3 x 0,75	5,7	22	73
0904075P	KENFLEX 100 4 x 0,75	6,4	29	77
0905075P	KENFLEX 100 5 x 0,75	7,0	36	119
0907075P	KENFLEX 100 7 x 0,75	8,3	50	165
0910075P	KENFLEX 100 10 x 0,75	10,1	72	216
0912075P	KENFLEX 100 12 x 0,75	10,2	86	247
0914075P	KENFLEX 100 14 x 0,75	10,9	101	284
0916075P	KENFLEX 100 16 x 0,75	11,5	115	320
0918075P	KENFLEX 100 18 x 0,75	12,1	130	356
0920075P	KENFLEX 100 20 x 0,75	12,8	144	453
0925075P	KENFLEX 100 25 x 0,75	14,9	180	498
0930075P	KENFLEX 100 30 x 0,75	15,2	216	510
0934075P	KENFLEX 100 34 x 0,75	16,6	245	550
0936075P	KENFLEX 100 36 x 0,75	16,6	259	570
0942075P	KENFLEX 100 42 x 0,75	18,1	302	600
0950075P	KENFLEX 100 50 x 0,75	20,0	360	700
0961075P	KENFLEX 100 61 x 0,75	22,1	432	820
0965075P	KENFLEX 100 65 x 0,75	22,7	439	841

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM <sup>2</sup>	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
0902100P	KENFLEX 100 2 x 1,00 OZ	5,7	19	65
0903100P	KENFLEX 100 3 x 1,00	6	29	84
0904100P	KENFLEX 100 4 x 1,00	6,8	38	113
0905100P	KENFLEX 100 5 x 1,00	7,4	48	137
0907100P	KENFLEX 100 7 x 1,00	8,8	67	192
0910100P	KENFLEX 100 10 x 1,00	10,7	96	251
0912100P	KENFLEX 100 12 x 1,00	10,8	115	295
0914100P	KENFLEX 100 14 x 1,00	11,6	134	337
0916100P	KENFLEX 100 16 x 1,00	12,2	154	379
0918100P	KENFLEX 100 18 x 1,00	13	173	420
0920100P	KENFLEX 100 20 x 1,00	13,6	192	480
0925100P	KENFLEX 100 25 x 1,00	15,8	240	600
0930100P	KENFLEX 100 30 x 1,00	16,4	288	695
0934100P	KENFLEX 100 34 x 1,00	17,8	326	777
0936100P	KENFLEX 100 36 x 1,00	17,8	346	825
0941100P	KENFLEX 100 41 x 1,00	19,3	403	926
0942100P	KENFLEX 100 42 x 1,00	19,3	403	948
0950100P	KENFLEX 100 50 x 1,00	21,2	480	1092
0961100P	KENFLEX 100 61 x 1,00	23,7	586	1204
0965100P	KENFLEX 100 65 x 1,00	24,4	624	1400
0902150P	KENFLEX 100 2 x 1,50 OZ	6,4	29	91
0903150P	KENFLEX 100 3 x 1,50	6,8	43	117
0904150P	KENFLEX 100 4 x 1,50	7,4	58	147
0905150P	KENFLEX 100 5 x 1,50	8,3	72	181
0907150P	KENFLEX 100 7 x 1,50	9,9	101	273
0910150P	KENFLEX 100 10 x 1,50	11,9	144	344
0912150P	KENFLEX 100 12 x 1,50	12,1	173	391
0914150P	KENFLEX 100 14 x 1,50	12,9	202	457
0916150P	KENFLEX 100 16 x 1,50	13,6	230	523
0918150P	KENFLEX 100 18 x 1,50	14,5	259	590
0920150P	KENFLEX 100 20 x 1,50	15,2	288	650
0925150P	KENFLEX 100 25 x 1,50	17,8	360	801
0930150P	KENFLEX 100 30 x 1,50	18,2	432	958
0934150P	KENFLEX 100 34 x 1,50	19,7	490	1084
0936150P	KENFLEX 100 36 x 1,50	19,7	518	1135
0942150P	KENFLEX 100 42 x 1,50	21,5	605	1290
0950150P	KENFLEX 100 50 x 1,50	23,7	720	1521
0960150P	KENFLEX 100 60 x 1,50	25,3	864	1885
0961150P	KENFLEX 100 61 x 1,50	26,2	878	1916
0965150P	KENFLEX 100 65 x 1,50	27,2	936	1994

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM <sup>2</sup>	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
0902250P	KENFLEX 100 2 x 2,50 OZ	7,7	43	130
0903250P	KENFLEX 100 3 x 2,50	8,4	72	160
0904250P	KENFLEX 100 4 x 2,50	9,1	96	200
0905250P	KENFLEX 100 5 x 2,50	10,2	120	268
0907250P	KENFLEX 100 7 x 2,50	12,2	168	357
0910250P	KENFLEX 100 10 x 2,50	15	240	486
0912250P	KENFLEX 100 12 x 2,50	15,2	288	572
0914250P	KENFLEX 100 14 x 2,50	16,1	336	612
0916250P	KENFLEX 100 16 x 2,50	17,2	384	702
0918250P	KENFLEX 100 18 x 2,50	18,1	432	800
0920250P	KENFLEX 100 20 x 2,50	19,2	480	920
0925250P	KENFLEX 100 25 x 2,50	22,5	600	1100
0930250P	KENFLEX 100 30 x 2,50	23,5	720	1400
0934250P	KENFLEX 100 34 x 2,50	25,2	816	1500
0936250P	KENFLEX 100 36 x 2,50	25,2	864	1600
0942250P	KENFLEX 100 42 x 2,50	27,4	1008	1800
0950250P	KENFLEX 100 50 x 2,50	30	1200	2100
0903400P	KENFLEX 100 3 x 4,00	10,4	115	221
0904400P	KENFLEX 100 4 x 4,00	11,4	154	260
0905400P	KENFLEX 100 5 x 4,00	12,7	192	318
0904600P	KENFLEX 100 4 x 6,00	13,3	230	392
0905600P	KENFLEX 100 5 x 6,00	14,5	288	481
0941000P	KENFLEX 100 4 x 10,0	17,7	384	642
0951000P	KENFLEX 100 5 x 10,0	19,7	480	780
0941600P	KENFLEX 100 4 x 16,0	20,8	614	926
0951600P	KENFLEX 100 5 x 16,0	23,3	768	1135