

## Power cable < 1 kV, for flexible applications Kemaflex KVCY Dca



<b>Application</b>	<b>: Flexible cable, copper braided with additional inner jacket. Protects against Electro Magnetic Interference. KEMA and VDE approved.</b>
<b>TECHNICAL DATA</b>	<b>: TYPE KVCY Dca</b>
Standards	: KEMA K176 EN 50525
<b>Remarks</b>	<b>: Flame retardant, oil resistant.</b>
Conductor material	: Copper, bare
Conductor category	: Class 5 = flexible
Stranding element	: No
Core insulation material	: Polyvinyl chloride (PVC)
Core identification	: Numbers
Inner sheath	: Yes
Screen over stranding element	: None
Screen	: Yes
Model	: Round
Screen over stranding	: Braiding
Flame retardant	: In accordance with EN 60332-3-24
Material outer sheath	: Polyvinyl chloride (PVC)
Colour outer sheath	: Grey
Halogen free (acc. EN 60754-1/2)	: No
Oil resistant (acc. EN 60811-404)	: Yes
Low smoke (acc. BS EN 61034-2)	: No
Low temperature resistant (acc. EN 60811-504+505+506)	: No
Smoke development class according to EN 13501-6	: s3
Permitted cable outer temperature during assembling/handling	: -5°C to 80°C
Permitted cable outer temperature after assembling without vibration	: -30°C to 80°C
Max. conductor temperature	: 70°C
Euro class acidity according to EN 13501-6	: a3
Nominal voltage U0	: 300V
Core protecton	: No
Nominal voltage U	: 500V
Reaction-to-fire class according to EN 13501-6	: Dca
Euro class flaming droplets/particles according to EN 13501-6	: d0
Conductor surface	: Bare
	: No



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Shape of conductor

: Round

: Round



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ProductNr	Dimension	Protective conductor	Outer diameter approx. (mm)	Bending radius (mm)
0102302	2 x 0.5	No	8.2	98
0102304	4 x 0.5	Yes	9.1	109
0102305	5 x 0.5	Yes	10	120
0102307	7 x 0.5	Yes	11.6	139
0102312	12 x 0.5	Yes	13.7	164
0102402	2 x 0.75	No	8.6	103
0102403	3 x 0.75	Yes	9	108
0102404	4 x 0.75	Yes	9.8	118
0102405	5 x 0.75	Yes	10.5	126
0102407	7 x 0.75	Yes	12.5	150
0102408	8 x 0.75	Yes	13.5	162
0102412	12 x 0.75	Yes	15	180
0102416	16 x 0.75	Yes	16.5	198
0102418	18 x 0.75	Yes	17.4	209
0102420	20 x 0.75	Yes	18.3	220
0102425	25 x 0.75	Yes	20.8	250
0102434	34 x 0.75	Yes	23	276
0102440	40 x 0.75	Yes	24.9	299
0102450	50 x 0.75	Yes	27.4	329
0102502	2 x 1	No	9	108
0102503	3 x 1	Yes	9.6	115
0102504	4 x 1	Yes	10.3	124
0102505	5 x 1	Yes	11.2	134
0102507	7 x 1	Yes	13.4	161
0102510	10 x 1	Yes	15.4	185
0102512	12 x 1	Yes	16	192
0102518	18 x 1	Yes	18.4	221
0102524	24 x 1	Yes	21.6	259
0102536	36 x 1	Yes	24.6	295
0102548	48 x 1	Yes	28.4	341
0102602	2 x 1.5	No	10.2	122
0102603	3 x 1.5	Yes	10.5	126
0102604	4 x 1.5	Yes	11.4	137
0102605	5 x 1.5	Yes	12.7	152
0102607	7 x 1.5	Yes	15.1	181
0102608	8 x 1.5	Yes	16.1	193
0102612	12 x 1.5	Yes	17.9	215
0102618	18 x 1.5	Yes	21	252
0102625	25 x 1.5	Yes	25.1	301
0102630	30 x 1.5	Yes	26.2	314
0102640	40 x 1.5	Yes	30.7	368



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<b>ProductNr</b>	<b>Dimension</b>	<b>Protective conductor</b>	<b>Outer diameter approx. (mm)</b>	<b>Bending radius (mm)</b>
0102702	2 x 2.5	No	11.8	142
0102703	3 x 2.5	Yes	12.4	149
0102704	4 x 2.5	Yes	13.8	166
0102705	5 x 2.5	Yes	15.3	184
0102707	7 x 2.5	Yes	18.2	218
0102712	12 x 2.5	Yes	21.8	266
0102718	18 x 2.5	Yes	25.6	307