

GAMAFLEX 10-JZ

GAMAFLEX 10-OZ



Application

As control and supply cables for control units in metal working machines, transportation equipment, production lines, as well as for control and measuring systems at rated voltage U_0/U 300 / 500 V .

The cables are suitable for flexible applications for free, non-continuous returning movement, without tensile load as well as for fixed laying.

They are oil and chemical resistant under normal operation conditions and are suitable for use in dry, damp or wet interiors. These cables may only be laid outdoors with UV-protection and in observance of the temperature range.

Technical data

- manufactured acc. to the technical specification TS 03-11-01 C of GAMAKABEL
- rated voltage U_0/U : 300/500 V
- test voltage: 4 kV
- insulation resistance at 70 °C: min 20 GΩ x cm
- maximum conductor temperature: + 70 °C
- max. conductor temperature at short circuit for 5 s : +160 °C
- temperature range:
flexing: - 15 °C** to +70 °C; fixed installation : -40 °C to +80 °C
** Tested according EN 60811-1-4: cold bending test, impact resistance test at low temperatures, elongation test at low temperatures.
- minimum temperature during installation: - 5 °C
- minimum bending radius for: mobile - 15 D; fixed - 4 D (D - outer cable diameter)
- flame test: flame-retardant acc. to IEC 60332-1
- sheath colour: silver grey - RAL 7001
- Approval - 

Cable design

- copper conductors class 5 according to IEC 60228
- insulation: PVC compound type TI2 according to HD 21.1
- sheath: PVC compound type TM2 according to HD 21.1

Core identification in accordance to EN 50334

GAMAFLEX 10-JZ - all cores black, with imprinted numbers and a green-yellow protective conductor in the outer layer

GAMAFLEX 10-OZ - all cores black, with imprinted numbers

Number of Conductors and Cross Section	Outer Diameter	Copper Weight	Cable Weight		Number of Conductors and Cross Section	Outer Diameter	Copper Weight	Cable Weight
No x mm ²	mm	kg/km	kg/km		No x mm ²	mm	kg/km	kg/km
2 x 0,5	4,7	9,6	35		2 x 1,5	6,1	29	69
3 x 0,5	4,9	14	42		3 x 1,5	6,5	43	85
4 x 0,5	5,3	19	55		4 x 1,5	7,0	58	106
5 x 0,5	6,0	24	66		5 x 1,5	7,9	72	129
6 x 0,5	6,5	29	75		6 x 1,5	8,6	86	148

7 x 0,5	6,5	34	79		7 x 1,5	8,6	101	159
10 x 0,5	8,2	48	109		10 x 1,5	11,5	144	234
12 x 0,5	8,2	58	125		12 x 1,5	11,5	173	272
14 x 0,5	9,0	67	153		14 x 1,5	12,2	202	312
19 x 0,5	10,1	91	197		19 x 1,5	13,9	274	424
24 x 0,5	12,0	115	243		24 x 1,5	16,2	346	527
27 x 0,5	12,1	130	267		27 x 1,5	16,7	389	582
30 x 0,5	12,6	144	307		30 x 1,5	17,3	432	650
37 x 0,5	14,0	178	368		37 x 1,5	19,3	533	808
2 x 0,75	5,1	14	45		2 x 2,5	7,6	48	105
3 x 0,75	5,4	22	57		3 x 2,5	8,0	72	133
4 x 0,75	6,1	29	69		4 x 2,5	9,0	96	175
5 x 0,75	6,7	36	84		5 x 2,5	9,8	120	214
6 x 0,75	7,2	43	97		6 x 2,5	10,9	144	246
7 x 0,75	7,2	50	103		7 x 2,5	10,9	168	265
10 x 0,75	9,5	72	153		10 x 2,5	14,3	240	386
12 x 0,75	9,5	86	175		12 x 2,5	14,3	288	449
14 x 0,75	10,1	101	200		14 x 2,5	15,4	336	515
19 x 0,75	11,8	137	259		19 x 2,5	17,7	456	688
24 x 0,75	13,7	173	336					
27 x 0,75	14,0	194	369		2 x 4,0	8,6	77	150
30 x 0,75	14,4	216	405		3 x 4,0	9,3	115	195
37 x 0,75	15,9	266	487		4 x 4,0	10,7	154	261
					5 x 4,0	11,4	192	307
2 x 1,0	5,4	19	54		6 x 4,0	12,6	230	360
3 x 1,0	5,7	29	66		7 x 4,0	12,6	269	391
4 x 1,0	6,5	38	81					
5 x 1,0	7,1	48	98		2 x 6,0	10,6	115	224
6 x 1,0	7,9	58	113		3 x 6,0	11,2	173	287
7 x 1,0	7,9	67	121		4 x 6,0	12,5	230	367
10 x 1,0	10,1	96	179		5 x 6,0	13,9	288	460
12 x 1,0	10,1	115	206		6 x 6,0	15,4	346	537
14 x 1,0	11,0	134	235		7 x 6,0	15,4	403	583
19 x 1,0	12,4	182	306					
24 x 1,0	14,7	230	396		2 x 10,0	15,0	192	392
27 x 1,0	14,9	259	437		3 x 10,0	15,9	288	503
30 x 1,0	15,5	288	480		4 x 10,0	17,9	384	642
37 x 1,0	17,1	355	580					
					2 x 16,0	16,8	307	624
					3 x 16,0	18,0	461	785
					4 x 16,0	19,9	614	995
					2 x 25,0	20,6	480	943
					3 x 25,0	22,0	720	1186
					4 x 25,0	24,4	960	1506