

GAALFLEX® ROBOT 123

PUR torsion cable $\pm 450^\circ/0,5$ mt, DIN VDE 300/500 V, UL/CSA 300 V (0,14 mm² - 0,34 mm²), UL/CSA max. 600 V (from 0,5 mm²)



ELETTROTEK KABEL® GAALFLEX® ROBOT 123

Construction:

CONDUCTOR:	FROM 0,14 mm² UP TO 0,34 mm²: FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC. TO IEC 60228, DIN VDE 0295 FROM 0,50 mm²: FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC. TO IEC 60228, DIN VDE 0295
INSULATION:	TPE COMPOUND
COLOUR CORES:	UP TO 0,34 mm²: ACC. TO US 2 FROM 0,50 mm²: BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334 GREEN-YELLOW FROM 3 CORES
STRANDING:	IN LAYERS
WRAPPING:	NETTING TAPE OVER EACH LAYER AND OVERALL NON-WOVEN TAPE
OUTER SHEATH:	BLACK (RAL 9005), PUR TYPE TMPU, ACC. TO EN 50363-10-2 + VDE 0207-363-10-2

Resistance:



FIRE PERFORMANCE FROM 0,50 ACC. TO:
UL VW1 + CSA FT1 + FT2,
IEC 60332-1-2 + VDE 0482-332-1-2



HALOGEN FREE ACC. TO:
DIN VDE 0482-754-1 + IEC 60754-1



OIL RESISTANCE:
VERY GOOD-PUR TMPU
ACC. TO EN 50363-10-2 + VDE 0207-363-10-2

Technical data:

VOLTAGE 0,14 mm ² - 0,34 mm ² :	UL/CSA: 300 V	
VOLTAGE from 0,50 mm ² :	UL/CSA: Max. 600 V	
PEAK OPERATING VOLTGE 0,14 mm ² - 0,34 mm ² :	350 V	
NOMINAL VOLTAGE: from 0,50 mm ² :	DIN VDE: 300/500 V	
TEST VOLTAGE 0,14 mm ² - 0,34 mm ² :	1,5 kV ACC. TO DIN VDE 0472 PART 509	
TEST VOLTAGE from 0,50 mm ² :	3 kV ACC. TO DIN VDE 0281 PART 2 + HD 21.2	
TEMPERATURE RANGE:	UL/CSA:	DIN VDE
FIXED LAYING:	UP TO + 80°C	- 50 UP TO + 90°C
FLEXIBLE APPLICATION:	UP TO + 80°C	- 40 UP TO + 90°C
MIN. BENDING RADIUS:		
CONTINUOUSLY FLEXIBLE:	12 x D	
FROM 34 CORES:	20 x D	
TORSION ANGLE:	UP TO $\pm 450^\circ/0,5$ mt (TESTED)	

Features:

RUGGED AND RELIABLE

AWM STYLE 21060 80°C 600 V
CSA AWM I/II A/B 80°C F 600 V FT1 FT2 CE

GOOD AGAINST ACIDS, ALKALINES, SOLVENTS HYDRAULIC LIQUIDS ETC.

ROHS AND CE APPROVAL



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UL/CSA max. 600 V (from 0,5 mm²)



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UL/CSA/CE

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. (*)
38050C76030A26	3 x 0,14	5,5	4	31	26
38050C76040A26	4 x 0,14	4,7	5,4	26	26
38050C76030A24	3 x 0,25	4,6	7,2	25	24
38050C76040A24	4 x 0,25	4,8	9,6	28	24
38050C76070A24	7 x 0,25	5,4	16,8	39	24
38050C76250A24	25 x 0,25	9,1	60	117	24
38050C76020A22	2 x 0,34	4,8	6,6	27	22
38050F70181A20	18 g 0,5	12,5	95	216	20
38050F70251A20	25 g 0,5	14,6	132	303	20
38050F70041A19	4 g 0,75	7,8	28,8	78	19
38050F70141A19	14 g 0,75	12,6	100,8	207	19
38050F70201A18	2 x 1	7,3	19,2	64	18
38050F70031A18	3 g 1	7,6	28,8	75	18
38050F70041A18	4 g 1	8,1	38,4	91	18
38050F70061A18	6 g 1	9,4	57,6	127	18
38050F70071A18	7 g 1	10	67,2	147	18
38050F70121A18	12 g 1	12,2	115,2	214	18
38050F70181A18	18 g 1	14,7	172,8	316	18
38050F70251A18	25 g 1	16,6	240	428	18
38050F70341A18	34 g 1	19,7	326,4	559	18
38050F70401A18	40 g 1	20,9	384	659	18
38050F70411A18	41 g 1	20,9	393,6	670	18
38050F70071A16	7 g 1,5	11,3	100,8	197	16
38050F70121A16	12 g 1,5	14,3	172,8	303	16
38050F70181A16	18 g 1,5	16,6	259,2	435	16
38050F70251A16	25 g 1,5	19,1	360	609	16
38050F70031A14	3 g 2,5	9,9	72	136	14
38050F70041A14	4 g 2,5	10,3	96	166	14
38050F70031A12	3 g 4	11,5	115,2	211	12
38050F70031A08	3G 10	16,5	288	471	8
38050F70031A06	3 g 16	19,4	460,8	682	6
38050F70031A04	3 g 25	20,4	720	1035	4
38050F70031A02	3 g 35	27,2	1008	1389	2

Other dimension and colours available on request.

OTHER SPECIAL CONSTRUCTION ON STOCK

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. (*)
38050C76250A22	25 x 0,34	10,5	81,6	191,8	22
38050F70029002	2 x 0,5 + 27 x 0,75	12,7	149,4	149,4	20/19