

GAALFLEX® ROBOT 113

PVC torsion cable $\pm 270^\circ/0,5$ mt, DIN VDE 300/500 V, UL 300 V, UL/CSA 600 V



ELETTROTEK KABEL® GAALFLEX® ROBOT 113

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:	PVC TYPE T12 ACC. TO EN 50363-3 + VDE 0207-363-3
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), PVC TYPE TM5, ACC. TO EN 50363-4-1 + VDE 0207-363-4-1

Technical data:

VOLTAGE 0,14 mm ² - 0,34 mm ² :	UL: 300 V	
VOLTAGE from 0,50 mm ² :	UL: 600 V	
PEAK OPERATING VOLTGE 0,14 mm ² - 0,34 mm ² :	MAX 350 V	
NOMINAL VOLTAGE: from 0,50 mm ² :	DIN VDE: 300/500 V	
VOLTAGE 0,14 mm ² - 0,34 mm ² :	1,5 kV ACC. TO DIN VDE 0472 PART 509 CORE/SCREEN 1,2 kV	
VOLTAGE from 0,50 mm ² :	2 kV ACC. TO DIN VDE 0281 PART2 + HD 21.2	
TEMPERATURE RANGE 0,14 mm ² - 0,34 mm ² :	UL	DIN VDE
FIXED LAYING:	UP TO + 80°C	- 40 UP TO + 70°C
FLEXIBLE APPLICATION:	UP TO + 80°C	+ 5 UP TO + 70°C
TEMPERATURE RANGE from 0,50 mm ² :	UL/CSA	DIN VDE
FIXED LAYING:	UP TO + 90°C	- 40 UP TO + 70°C
FLEXIBLE APPLICATION:	UP TO + 90°C	+ 5 UP TO + 70°C
MIN. BENDING RADIUS:		
CONTINUOUSLY FLEXIBLE:	12 x D	
FROM 34 CORES:	20 x D	

Resistance:



FIRE PERFORMANCE 0,14 mm² - 0,34 mm² ACC. TO:
UL VVW1, IEC 60332-1-2 + 0482-332-1-2

FIRE PERFORMANCE FROM 0,50 ACC. TO:
UL VVW1 + CSA FT1 + FT2,
IEC 60332-1-2 + VDE 0482-332-1-2



OIL RESISTANCE:

VERY GOOD - TM5 ACC. TO DIN VDE 0281 PART 1 + HD 21.1
OIL RATING 60°C ACC. TO UL 758,
FUEL-OIL ACC. TO CSA C 22.2 NO.210.2-M90
EN 50363-4-1 + VDE 0207-363-4-1

Features:

RUGGED AND RELIABLE

 AWM STYLE 21216 90°C 600 V
CSA AWM I/II A/B 90°C F 600 V FT1 FT2 CE

ROHS AND CE APPROVAL



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UL/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. *)
38010C76030A26	3 x 0,14	5,2	4	31	26
38010C76040A26	4 x 0,14	5,6	5,4	36	26
38010C76030A24	3 x 0,25	5,4	7,2	37	24
38010C76040A24	4 x 0,25	5,9	9,6	43	24
38010C76070A24	7 x 0,25	7,3	16,8	67	24
38010C76250A24	25 x 0,25	11,2	60	173	24
38010C76020A22	2 x 0,34	5,3	6,5	36	22

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. *)
38010F70251A20	25 g 0,5	14,8	120	332	20
38010F70041A19	4 g 0,75	7,4	30	75	19
38010F70071A19	7 g 0,75	9,6	67	134	19
38010F70141A19	14 g 0,75	12,5	101	225	19
38010F71020A18	2 x 1	6,8	19	59	18
38010F70031A18	3 g 1	6,9	30	71	18
38010F70041A18	4 g 1	7,8	38	90	18
38010F70121A18	12 g 1	12,4	115	234	18
38010F70181A18	18 g 1	14,4	173	334	18
38010F70251A18	25 g 1	16,9	240	468	18
38010F70341A18	34 g 1	20,1	326	624	18
38010F70411A18	41 g 1	21,4	394	732	18
38010F70181A16	18 g 1,5	16,5	259	456	16
38010F70251A16	25 g 1,5	18,7	360	630	16
38010F70031A14	3 g 2,5	9,8	72	146	14
38010F70041A14	4 g 2,5	10,6	96	184	14
38010F70031A12	3 g 4	12,1	115	225	12
38010F70031A08	3 g 10	16,8	288	502	8
38010F70031A06	3 g 16	19,7	461	731	6
38010F70031A04	3 g 25	23,8	720	1080	4
38010F70031A02	3 g 35	27,2	1008	1470	2

Other dimension and colours available on request.