

GAALFLEX® ROBOT 113

PVC torsion cable ± 270°/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 Tl2 acc. to DIN VDE 0281 part. 1 + HD 21.1
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 DIN VDE 0281 part. 1 HD 21.1

Resistance:



Fire performance 0,14 mm² - 0,34mm² acc. to:
UL VW1 IEC 60332-1-2 and EN 60332-1-2
Fire performance From 0,50 acc. to:
UL VW1 + CSA FT1 + FT2 and 60332-1-2



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

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 voltage 0,14 mm ² - 0,34 mm ² :	max 350 V
Nominal voltage: from 0,50 mm ² :	DIN VDE: 300/500V
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 part.2 + HD 21.2
Temperature range 0,14 mm ² - 0,34 mm ² :	UL DIN VDE
<i>Fixed laying:</i>	up to +80°C -40 up to +70°C
<i>Flexible application</i>	up to +80°C +5 up to +70°C
Temperature range from 0,50 mm ² :	UL DIN VDE
<i>Fixed laying:</i>	up to +90°C -40 up to +70°C
<i>Flexible application</i>	up to +90°C +5 up to +70°C
Min. bending radius:	continuously flexible 12 x d from 34 cores 20 x d

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



TORSION CABLES

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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	32	26
38010C76040A26	4 x 0,14	5,6	5,4	36	26
38010C76030A24	3 x 0,25	5,6	7,2	38	24
38010C76040A24	4 x 0,25	5,9	9,6	43	24
38010C76070A24	7 x 0,25	7,3	16,8	66	24
38010C76250A24	25 x 0,25	11,4	60	172	24
38010C76020A22	2 x 0,34	5,5	6,5	39	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	132	318	20
38010F70041A19	4 G 0,75	7,5	28,8	79	19
38010F70071A19	7 G 0,75	10,2	67,2	157	19
38010F70141A19	14 G 0,75	12,7	100,8	225	19
38010F70021A18	2 G 1	6,8	19,2	65	18
38010F70031A18	3 G 1	7,2	28,8	77	18
38010F70041A18	4 G 1	7,9	38,4	93	18
38010F70121A18	12 G 1	12,6	115,2	234	18
38010F70181A18	18 G 1	14,8	172,8	340	18
38010F70251A18	25 G 1	17,2	240	473	18
38010F70341A18	34 G 1	20,2	326,4	616	18
38010F70411A18	41 G 1	21,6	393,6	735	18
38010F70181A16	18 G 1,5	16,5	259,2	456	16
38010F70251A16	25 G 1,5	19,3	360	638	16
38010F70031A14	3 G 2,5	10,2	72	160	14
38010F70041A14	4 G 2,5	11,1	96	194	14
38010F70031A12	3 G 4	12,3	115,2	234	12
38010F70031A08	3 G 10	18,5	288	548	8
38010F70031A06	3 G 16	21,1	460,8	794	6
38010F70031A04	3 G 25	23,9	720	1128	4
38010F70031A02	3 G 35	28,9	1008	1555	2

Other dimension and colours available on request.