

TORSION CABLES

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 DIN VDE 0282 part 10 + HD 22.1

Resistance:



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



Halogen free acc. to:
DIN VDE 0472 part 815 + IEC 60754-1



Oil resistance:
very good-PUR TMPU acc.to DIN VDE 0282 part 10
+ HD 22.10

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 voltage 0,14 mm ² - 0,34 mm ² :	max 350 V
Nominal voltage: from 0,50 mm ² :	DIN VDE: 300/500V
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
<i>Fixed laying:</i>	up to +80°C - 50 up to +90°C
<i>Flexible application</i>	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 $\pm 450^\circ/0,5$ m (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



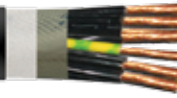
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UL/CSA/CE

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	4,0	31	26
38050C76040A26	4 x 0,14	5,7	5,4	34	26
38050C76030A24	3 x 0,25	5,8	7,2	37	24
38050C76040A24	4 x 0,25	6,1	9,6	41	24
38050C76070A24	7 x 0,25	7,2	16,8	60	24
38050C76250A24	25 x 0,25	10,7	60,0	144	24
38050C76020A22	2 x 0,34	5,8	6,5	38	22
38050F70181A20	18 G 0,5	12,5	95	205	20
38050F70251A20	25 G 0,5	14,7	132	287	20
38050F70041A19	4 G 0,75	8,0	28,8	79	19
38050F70141A19	14 G 0,75	12,6	100,8	204	19
38050F70021A18	2 G 1	7,5	19,2	68	18
38050F70031A18	3 G 1	7,8	28,8	78	18
38050F70041A18	4 G 1	8,4	38,4	93	18
38050F70061A18	6 G 1	9,7	57,6	129	18
38050F70071A18	7 G 1	10,3	67,2	147	18
38050F70121A18	12 G 1	12,6	115,2	217	18
38050F70181A18	18 G 1	14,9	172,8	318	18
38050F70251A18	25 G 1	17,2	240	437	18
38050F70341A18	34 G 1	20	326,4	564	18
38050F70401A18	40 G 1	21,4	384	661	18
38050F70411A18	41 G 1	21,4	393,6	673	18
38050F70071A16	7 G 1,5	11,7	100,8	200	16
38050F70121A16	12 G 1,5	14,7	172,8	307	16
38050F70181A16	18 G 1,5	17,1	259,2	442	16
38050F70251A16	25 G 1,5	20	360	618	16
38050F70031A14	3 G 2,5	10,4	72	151	14
38050F70041A14	4 G 2,5	11,2	96	182	14
38050F70031A12	3 G 4	12,1	115,2	211	12
38050F70031A08	3G 10	18	288	475	8
38050F70031A06	3 G 16	20,4	460,8	698	6
38050F70031A04	3 G 25	25,6	720	1066	4
38050F70031A02	3 G 35	28,4	1008	1386	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