

TORSION CABLES

GAALFLEX® ROBOT 123 D

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 600 V (from 0,5 mm²)



ELETTROTEK KABEL® GAALFLEX® ROBOT 123 D



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:	from 0,14 mm² 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
Screen:	bare copper wires helically wound
Wrapping:	non-woven tape
Outer sheath:	black (RAL 9005), PUR type TMPU, acc.to DIN VDE 0282 part 10 + HD 22.

Resistance:



Fire performance 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 <i>Fixed laying:</i> <i>Flexible application</i>	UL/CSA: up to +80°C up to +80°C DIN VDE - 50 up to +90°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. *)
38060C76120A26	12 x 0,14	8,5	30,2	79	26
38060C76250A24	25 x 0,25	11,3	90,9	171	24
38060F70051A24	5 G 0,5	8,7	40,5	95	20
38060F70121A16	12 G 1,5	15,3	214,7	344	16
38060F70181A16	18 G 1,5	17,8	326	499	16

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. *)
38060F70041A14	4 G 2,5	11,9	127,1	-	14
38060F70041A12	4 G 4	13,4	193,2	-	12
38060F70031A06	3 G 16	20,2	539,2	-	6
38060C77042A22	4 x (2 x 0,34)D11Y	11,0	47,3	126	22
38060C76020A24	2 x (1 x 0,25)	7,0	11,7	48,3	24
38060F7L010A04	1 x 25	11,8	271,5	334	4
38060C76161A16	16 x 0,34	9,4	69,3	-	22
38060F7004BA16	4 G 1,5 + (2 x 1)	12,3	126	-	16
38060C76042A22	(4 x (2 x 0,34)D11Y)	13,1	215,5	282	22
38060C76052A22	5 x (2 x 0,34)	14,1	114,8	-	22