

TORSION CABLES

GAALFLEX® ROBOT 118

PUR torsion cable $\pm 360^\circ/1$ mt, max. 350 V (up to 0,34 mm²), 300/500 V (from 0,5 mm²)

ELETTROTEK KABEL® GAALFLEX® ROBOT 118



Construction:

Conductor:	from 0,14 mm² up to 0,34 mm²: flexible red copper conductor Cl. 5, 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:	special TPE compound
Colour cores:	up to 0,34 mm²: acc. to DIN 47100 from 0,50 mm²: acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	in layers
Wrapping:	special separating foil
Outer sheath:	black (RAL 9005), special PUR compound

Resistance:



Flame retardant acc.to:
DIN VDE 0482 part 265-2-1,
EN 50265-2-1
IEC 60332-1



Oil resistance acc. to:
DIN VDE 0473 part. 811-2-1,
EN IEC 60811-2-1

Technical data:

Nominal voltage:	up to 0,34 mm²: 350 V (operating, peak voltage) from 0,5 mm²: 300/500 V
Test voltage:	up to 0,34 mm²: 1,5 kV x 5 min. above 0,5 mm²: 3 kV x 5 min.
Temperature range	
<i>Fixed laying:</i>	- 40°C up to + 80°C
<i>Flexible installation:</i>	- 30°C up to + 80°C
Min. bending radius:	7,5 x d
Torsion angle:	up to $\pm 360^\circ/1$ m (tested)

Features:

high abrasion resistance
UV resistance
oxygen and ozone resistance
RoHS and CE approval



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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. *)
38030C74070M02	7 x 0,25	6	16,8	52	24
38030C74120M02	12 x 0,25	8	28,8	75	24
38030C74250M02	25 x 0,25	11	60	145	24
38030C74020M03	2 x 0,34	4,3	6,6	31	22
38030C74030M03	3 x 0,34	4,5	9,8	38	22
38030C74070M03	7 x 0,34	6	22,8	55	22
38030C74120M03	12 x 0,34	8,5	39,2	73	22
38030D72121M05	12 G 0,5	10,7	57,8	94	20
38030D72161M05	16 G 0,5	12	76,8	280	20
38030D72181M05	18 G 0,5	13	86,4	125	20
38030D72251M05	25 G 0,5	14,5	120	260	20
38030D72041M07	4 G 0,75	6,3	28,8	66	19
38030D72071M07	7 G 0,75	8,2	50,4	100	19
38030D72121M07	12 G 0,75	11,8	84,4	176	19
38030D72141M07	14 G 0,75	13	100,8	205	19
38030D74020M10	2 x 1	6,3	19,2	52	18
38030D72031M10	3 G 1	6,5	29	65	18
38030D72041M10	4 G 1	6,7	38,4	85	18
38030D72071M10	7 G 1	8,8	67,2	135	18
38030D72121M10	12 G 1	12,7	115,2	220	18
38030D72181M10	18 G 1	15,7	172,8	320	18
38030D72251M10	25 G 1	17,7	240	440	18
38030D72341M10	34 G 1	21,7	326,4	575	18
38030D72411M10	41 G 1	23,5	393,6	700	18
38030D72031M15	3 G 1,5	7,2	43,2	98	16
38030D72041M15	4 G 1,5	8,2	57,6	110	16
38030D72081M15	8 G 1,5	11,5	115,2	300	16
38030D72121M15	12 G 1,5	15,8	172,8	360	16
38030D72181M15	18 G 1,5	19,5	259,2	450	16
38030D72251M15	25 G 1,5	22,3	360	640	16
38030D72031M25	3 G 2,5	8,7	72	140	14
38030D72041M25	4 G 2,5	9,5	96	180	14
38030D72031M40	3 G 4	10,5	116	230	12
38030D72041M40	4 G 4	11,5	153,6	270	12
38030D72041M60	4 G 6	14,5	230,4	350	10
38030D72031M61	3 G 10	16	288	525	8
38030D72031M62	3 G 16	18,5	460,8	725	6
38030D72031M63	3 G 25	23,4	720	1185	4
38030D72031M64	3 G35	27	1008	1610	2

Other dimension and colours available on request.