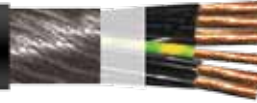


# TORSION CABLES

## GAALFLEX® ROBOT 118 D

PUR torsion cable with overall copper screen  $\pm 360^\circ$  / 1 mt, max. 350 V (up to 0,34 mm<sup>2</sup>), 300/500 V (from 0,5 mm<sup>2</sup>)

ELETTROTEK KABEL® GAALFLEX® ROBOT 118 D



### Construction:

- Conductor:** **from 0,14 mm<sup>2</sup> up to 0,34 mm<sup>2</sup>:**  
flexible red copper conductor Cl. 5,  
acc. to IEC 60228, DIN VDE 0295  
**from 0,50 mm<sup>2</sup>:**  
flexible red copper conductor Cl. 6,  
acc. to IEC 60228, DIN VDE 0295
- Insulation:** special TPE compound
- Colour cores:** **up to 0,34 mm<sup>2</sup>:** acc. to DIN 47100  
**from 0,50 mm<sup>2</sup>:** 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
- Screen:** tinned copper wires helically wound
- 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 mm<sup>2</sup>:**  
350 V (operating, peak voltage)  
**from 0,5 mm<sup>2</sup>:**  
300/500 V
- Test voltage:** **up to 0,34 mm<sup>2</sup>:**  
1,5 kV x 5 min.  
**above 0,5 mm<sup>2</sup>:**  
3 kV x 5 min.
- Temperature range**
- Fixed laying:* - 40°C up to + 80°C
- Flexible installation:* - 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



Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm $\pm 10\%$	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
38040C74100M01	10 x 0,14	8,2	34,2	68	26
38040C74120M01	12 x 0,14	8,4	42,1	100	26
38040C74180M01	18 x 0,14	10	54,5	126	26
38040C74250M01	25 x 0,14	11,2	69	162	26
38040C74120M02	12 x 0,25	8,6	59,5	134	24
38040C74180M02	18 x 0,25	10,5	80	169	24
38040C74250M02	25 x 0,25	11,5	103	221	24
38040C74120M03	12 x 0,34	9,2	78	169	22
38040C74180M03	18 x 0,34	11,3	101	218	22
38040C74250M03	25 x 0,34	12,5	158	312	22
38040D70121M05	12 G 0,5	11,6	117	182	20
38040D70251M05	25 G 0,5	15,3	255	356	20
38040D70121M07	12 G 0,75	12,5	155	228	19
38040D70181M07	18 G 0,75	15,5	210	313	19
38040D70251M07	25 G 0,75	17,1	275	421	19
38040D70121M10	12 G 1	13,5	190	272	18
38040D70181M10	18 G 1	16,6	245	397	18
38040D70251M10	25 G 1	18,6	345	547	18
38040D70121M15	12 G 1,5	16,9	260	352	16
38040D70181M15	18 G 1,5	20,7	370	493	16
38040D70251M15	25 G 1,5	22,9	498	719	16

Other dimension and colours available on request.