

# TORSION CABLES

## GAALFLEX® ROBOT 113 D

PVC torsion cable  $\pm 270^\circ/0,5$  mt, UL 300V



ELETTROTEK KABEL® GAALFLEX® ROBOT 113 D



### Construction:

<b>Conductor:</b>	<b>from 0,14 mm<sup>2</sup> up to 0,34 mm<sup>2</sup>:</b> flexible red copper conductor Cl. 6, acc. to IEC 60228, DIN VDE 0295 <b>from 0,50 mm<sup>2</sup>:</b> flexible red copper conductor Cl. 6, acc. to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	PVC type T12 acc. to DIN VDE 0281 part. 1 + HD 21.1
<b>Colour cores:</b>	acc. to US 2
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	netting tape over each layer and overall non-woven tape
<b>Screen:</b>	tinned copper wires helically wound
<b>Wrapping:</b>	non-woven tape
<b>Outer sheath:</b>	black (RAL 9005), PVC type TM5, acc. to DIN VDE 0281 part. 1 HD 21.1

### Resistance:



**Fire performance acc. to:**  
UL VW1 IEC 60332-1-2 and EN 60332-1-2



**Oil resistance:**  
very good - TM5 acc. to DIN VDE 0281 part. 1 +  
HD 21.1

### Technical data:

<b>Voltage:</b>	<b>UL:</b> 300 V	
<b>Peak operating voltage:</b>	max. 350 V	
<b>Test voltage:</b>	1,5 kV acc. to DIN VDE 0472 part. 509 core/screen 1,2 kV	
<b>Temperature range</b>	<b>UL:</b>	<b>DIN VDE:</b>
<i>Fixed laying:</i>	-up to +80°C	-40 up to +70°C
<i>Flexible installation:</i>	up to +80°C	+5 up to +70°C
<b>Min. bending radius:</b>	continuously flexible: 12 x d from 34 cores: 20 x d	
<b>Torsion angle:</b>	up to $\pm 270^\circ/0,5$ m (tested)	

### Features:

Rugged and reliable

AWM Style 2464 80°C 300 V CE

RoHS and CE approval



Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
38020C76120A26	12 x 0,14	8,8	32,2	85	26
38020C76250A24	25 x 0,25	12,0	96,7	187	24
38020C76041A08	4 G 10	19,6	468,2	-	8
38020C76041A06	4 G 16	23,4	742,5	-	6
38020C7604BA16	4 x 1,5 + (2 x 0,75)	11,6	119,9	-	16/19

Other dimension and colours available on request.