

# TRACK CABLES

## FLEXIDRUM® T 100 UL

Continuously flexible single conductor, 0,6/1 kV, UL/CSA 1000 V



ELETTROTEK KABEL® FLEXIDRUM® T 100 UL  
AWM style 10553 or 10848 AWM I/II A/B 80°C 1000V FT1



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 6, acc to IEC 60228, UL 758
<b>Insulation:</b>	special TPE compound
<b>Colour cores:</b>	black
<b>Wrapping:</b>	non woven tape
<b>Outer sheath:</b>	black (RAL 9005), special PUR compound

### Resistance:



#### Self-extinguishing and flame retardant acc. to:

DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL 1581 VW-1, CSA FT-1



#### Oil resistance acc. to:

TMPU acc. to DIN VDE 0473 part 811-2-1,  
EN 60811-2-1,  
IEC 60811-2-1



#### Halogen free acc. to:

DIN VDE 0482 part 267,  
EN 50267-2-1,  
IEC 60754-1

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0,6/1 kV	
<b>UL/CSA:</b>	1000 V	
<b>Test voltage:</b>	4 kV EN 50289-1-3	
<b>Temperature range</b>	<b>DIN VDE:</b>	<b>UL/CSA:</b>
<i>Fixed laying:</i>	-50°C up to +90°C	up to +80°C
<i>Flexible installation:</i>	-40°C up to +90°C	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg	
<b>Min. bending radius</b>		
<i>Continuously flexible:</i>	7,5 x d	
<b>Max pulling force:</b>		
<i>Static:</i>	50 N/mm <sup>2</sup>	
<i>Dinamic:</i>	20 N/mm <sup>2</sup>	
<b>Max speed (main application):</b>	250m/min	

### Features:

highly flexible single conductor  
for use in cable tracks

good against acids, alkalines, solvents, hydraulic liquids etc

high abrasion resistance

UV resistant

AWM style 10553 AWM I/II A/B 80°C 1000V FT1  
or AWM style 10848 AWM I/II A/B 80°C 1000V FT1

test voltage acc. to EN 50289-1-3

conductor resistance at 20°C acc. to EN 50289-1-2

for SPEEDS and MINIMUM BENDING RADIUS  
see pages from 2 to 8 of catalogue

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. *)
04030H7L010A16	1x1,5	5,6	14,4	45	16
04030H7L010A14	1x2,5	6,5	24	63	14
04030H7L010A12	1x4	7,3	38,4	85	12
04030H7L010A10	1x6	8	57,6	114	10
04030H7L010A08	1x10	9,8	96	173	8
04030H7L010A06	1x16	10,8	153,6	245	6
04030H7L010A04	1x25	12,7	240	353	4
04030H7L010A02	1x35	14	336	459	2
04030H7L010A01	1x50	16,1	480	638	1
04030H7L010A2C	1x70	18,1	672	854	2/0
04030H7L010A3C	1x95	21	912	1140	3/0
04030H7L010A4C	1x120	22,8	1152	1394	4/0
04030H7L010A5C	1x150	24,6	1440	1716	250 MCM
04030H7L010A7C	1x185	26,7	1776	2077	350 MCM
04030H7L010A9C	1x240	31,5	2304	2750	450 MCM
04030H7L010ACC	1x300	34,3	2880	3389	600 MCM

Other dimension and colours available on request.