

# FLEXIDRUM® T 101 UL

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



ELETTROTEK KABEL® FLEXIDRUM® T 101 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, DIN VDE 0295
<b>INSULATION:</b>	SPECIAL TPE COMPOUND
<b>COLOUR CORES:</b>	GREEN/YELLOW
<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:

TMPO 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>	Uo/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>
FIXED LAYING:	- 50°C UP TO + 90°C	UP TO + 80°C
FLEXIBLE INSTALLATION:	- 40°C UP TO + 90°C	
<b>RADIATION RESISTANCE:</b>	5 x 10 <sup>7</sup> dj/kg	
<b>MIN. BENDING RADIUS:</b>		
CONTINUOUSLY FLEXIBLE:	7,5 x D	
<b>MAX PULLING FORCE:</b>		
STATIC:	50 N/mm <sup>2</sup>	
DINAMIC:	20 N/mm <sup>2</sup>	
<b>MAX SPEED (MAIN APPLICATION):</b>	250 mt/min	

## Features:

HIGHLY FLEXIBLE SINGLE CONDUCTOR  
FOR USE IN CABLE TRACKS

GOOD CHEMICAL RESISTANCE

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

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. (*)
04070H7P011A16	1 g 1,5	5,7	14,4	42	16
04070H7P011A14	1 g 2,5	6,4	24	58	14
04070H7P011A12	1 g 4	7,3	38,4	81	12
04070H7P011A10	1 g 6	8,1	57,6	107	10
04070H7P011A08	1 g 10	9,9	96	168	8
04070H7P011A06	1 g 16	10,9	153,6	237	6
04070H7P011A04	1 g 25	12,8	240	349	4
04070H7P011A02	1 g 35	14,1	336	462	2
04070H7P011A01	1 g 50	16,2	480	642	1
04070H7P011A2C	1 g 70	18,2	672	865	2/0
04070H7P011A3C	1 g 95	20,8	912	1162	3/0
04070H7P011A4C	1 g 120	22,7	1.152	1436	4/0
04070H7P011A5C	1 g 150	24,2	1.440	1754	250 MCM
04070H7P011A7C	1 g 185	26,7	1.776	2145	350 MCM
04070H7P011A9C	1 g 240	29,9	2.304	2751	450 MCM
04070H7P011ACC	1 g 300	32,5	2.880	3373	600 MCM
04070H7P011AFC	1 g 400	35,9	3.840	4415	750 MCM

Other dimension and colours available on request.