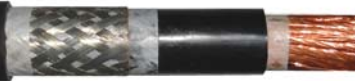


# FLEXIDRUM® T 100 C UL

Continuously flexible single conductor with overall copper screen, 0,6/1 kV, UL/CSA 1000 V



ELETTROTEK KABEL® FLEXIDRUM® T 100 C 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>SCREEN:</b>	TINNED COPPER BRAID ACC. TO UL1569
<b>WRAPPING:</b>	NON-WOVEN TAPE
<b>OUTER SHEATH:</b>	BLACK (RAL 9005), SPECIAL PUR COMPOUND

## 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> -50°C UP TO +90°C
FIXED LAYING:	UP TO +80°C
FLEXIBLE INSTALLATION:	-40°C UP TO +90°C
<b>RADIATION RESISTANCE:</b>	5 x 10 <sup>7</sup> CJ/Kg
<b>MIN. BENDING RADIUS</b>	
CONTINUOUSLY FLEXIBLE:	7,5 x D (OTHER MIN. BENDING RADIUS ON REQUEST)
<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 m/min

## 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

## 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 1 TO 4 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. *)
04040H7L010A10	1 x 6	8,5	77	120	10
04040H7L010A08	1 x 10	10,5	127	170	8
04040H7L010A06	1 x 16	11,8	189	236	6
04040H7L010A04	1 x 25	13,5	285	341	4
04040H7L010A02	1 x 35	15	389	447	2
04040H7L010A01	1 x 50	17,5	544	613	1
04040H7L010A2C	1 x 70	19,5	768	837	2/0
04040H7L010A3C	1 x 95	23	1020	1096	3/0
04040H7L010A4C	1 x 120	24,5	1265	1331	4/0
04040H7L010A5C	1 x 150	27,5	1450	1578	250 MCM
04040H7L010A7C	1 x 185	30	2040	2166	350 MCM
04040H7L010A9C	1 x 240	32	2621	2791	450 MCM
04040H7L010ACC	1 x 300	33	-	3130	600 MCM

Other dimension and colours available on request.