

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

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. *)
04040H7L010A16	1 x 1,5	6,3	27	70	16
04040H7L010A14	1 x 2,5	7	38,7	89	14
04040H7L010A12	1 x 4	7,9	55,8	118	12
04040H7L010A10	1 x 6	8,8	82	159	10
04040H7L010A08	1 x 10	10,6	126,1	232	8
04040H7L010A06	1 x 16	11,6	187,9	309	6
04040H7L010A04	1 x 25	13,7	295,2	464	4
04040H7L010A02	1 x 35	15	399	592	2
04040H7L010A01	1 x 50	17,3	551,7	796	1
04040H7L010A2C	1 x 70	19,3	755,6	1043	2/0
04040H7L010A3C	1 x 95	21,9	1006,6	1364	3/0
04040H7L010A4C	1 x 120	23,8	1258,3	1662	4/0
04040H7L010A5C	1 x 150	25,1	1553,7	1985	250 MCM
04040H7L010A7C	1 x 185	27,8	1903,2	2414	350 MCM
04040H7L010A9C	1 x 240	31	2485,3	3117	450 MCM
04040H7L010ACC	1 x 300	33,8	3117	3850	600 MCM
04040H7L010AFC	1 x 400	37,2	4105,8	4948	750 MCM

Other dimension and colours available on request.

## 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 10835 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

