

FLEXIDRUM® T 101 C UL

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



ELETTROTEK KABEL® FLEXIDRUM® T 101 C UL
AWM style 10553 or 10848 AWM I/II A/B 80°C 1000V FT1



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC. TO IEC 60228, DIN VDE 0295
INSULATION:	SPECIAL TPE COMPOUND
COLOUR CORES:	GREEN/YELLOW
SCREEN:	TINNED COPPER BRAID
WRAPPING:	NON-WOVEN TAPE
OUTER SHEATH:	BLACK (RAL 9005), SPECIAL PUR COMPOUND

Technical data:

NOMINAL VOLTAGE:	Uo/U 0,6/1 kV	
UL/CSA:	1000 V	
TEST VOLTAGE:	4 kV EN 50289-1-3	
TEMPERATURE RANGE:	DIN VDE:	UL/CSA:
FIXED LAYING:	- 50°C UP TO + 90°C UP TO + 80°C	
FLEXIBLE INSTALLATION:	- 40°C UP TO + 90°C	
RADIATION RESISTANCE:	5 x 10 ⁷ cJ/kg	
MIN. BENDING RADIUS:		
CONTINUOUSLY FLEXIBLE:	7,5 x D	
MAX PULLING FORCE:		
STATIC:	50 N/mm ²	
DINAMIC:	20 N/mm ²	
MAX SPEED (MAIN APPLICATION):	250 mt/min	

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. (*)
04080H7P011A16	1 g 1,5	6,3	27	70	16
04080H7P011A14	1 g 2,5	6,9	38,7	88	14
04080H7P011A12	1 g 4	7,9	55,8	118	12
04080H7P011A10	1 g 6	8,8	82	159	10
04080H7P011A08	1 g 10	10,6	126,1	232	8
04080H7P011A06	1 g 16	11,6	187,9	309	6
04080H7P011A04	1 g 25	13,7	295,2	464	4
04080H7P011A02	1 g 35	15,0	399	592	2
04080H7P011A01	1 g 50	17,3	551,7	796	1
04080H7P011A2C	1 g 70	19,3	755,6	1043	2/0
04080H7P011A3C	1 g 95	21,9	1.006,6	1364	3/0
04080H7P011A4C	1 g 120	23,8	1.258,3	1662	4/0
04080H7P011A5C	1 g 150	25,1	1.553,7	1985	250 MCM
04080H7P011A7C	1 g 185	27,8	1.903,2	2414	350 MCM
04080H7P011A9C	1 g 240	31,0	2.485,3	3117	450 MCM
04080H7P011ACC	1 g 300	33,8	3.117,0	3850	600 MCM
04080H7P011AFC	1 g 400	37,2	4.105,8	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 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

