FLEXIDRUM® T 100 C UL

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



SUITABLE FOR CHAIN APPLICATION

SUITABLE FOR FESTOON APPLICATION

Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC. TO IEC 60228, UL 758
INSULATION:	SPECIAL TPE COMPOUND
COLOUR CORES:	BLACK
SCREEN:	TINNED COPPER BRAID ACC. TO UL 1569
WRAPPING:	NON-WOVEN TAPE
OUTER SHEATH:	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:

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:	5×10^7 cJ/kg	
MIN. BENDING RADIUS:		
CONTINUOUSLY FLEXIBLE:	7,5 x D (other min.bending radius on request)	
MAX PULLING FORCE:		
STATIC:	50 N/mm²	
DINAMIC:	20 N/mm²	
MAX SPEED (MAIN APPLICATION):	250 mt/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 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

FOR SPEEDS AND MINIMUM BENDING RADIUS
SEE PAGES FROM 1 TO 2 OF CATALOGUE

ROHS AND CE APPROVAL

Part no.	No.of cores x cross section n x mm²	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	1.006,6	1364	3/0
04040H7L010A4C	1 x 120	23,8	1.258,3	1662	4/0
04040H7L010A5C	1 x 150	25,1	1.553,7	1985	250 MCM
04040H7L010A7C	1 x 185	27,8	1.903,2	2414	350 MCM
04040H7L010A9C	1 x 240	31	2.485,3	3117	450 MCM
04040H7L010ACC	1 x 300	33,8	3.117	3850	600 MCM
04040H7L010AFC	1 x 400	37,2	4.105,8	4948	750 MCM

Other dimension and colours available on request.