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 x 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 m/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 2 to 8 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.*)
04040H7L010A10	1x6	8,5	77	120	10
04040H7L010A08	1x10	10,5	127	170	8
04040H7L010A06	1x16	11,8	189	236	6
04040H7L010A04	1x25	13,5	285	341	4
04040H7L010A02	1x35	15	389	447	2
04040H7L010A01	1x50	17,5	544	613	1
04040H7L010A2C	1x70	19,5	768	837	2/0
04040H7L010A3C	1x95	23	1020	1096	3/0
04040H7L010A4C	1x120	24,5	1265	1331	4/0
04040H7L010A5C	1x150	27,5	1450	1578	250 MCM
04040H7L010A7C	1x185	30	2040	2166	350 MCM
04040H7L010A9C	1x240	32	2621	2791	450 MCM
04040H7L010ACC	1x300	33	-	3130	600 MCM

Other dimension and colours available on request.