

TRACK CABLES

FLEXIDRUM® T 200 C

Continuously flexible TPE/PUR control cable, inner sheath and overall copper screen,300/500 V



Construction:

Conductor:	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295
Insulation:	special TPE compound
Colour cores:	black cores with consecutive numbers acc. to EN 50334, green-yellow from 3 cores
Stranding:	in layers
Wrapping:	non woven tape over each layer
Inner sheath:	halogen free compound
Wrapping:	non-woven tape
Screen:	tinned copper braid
Wrapping:	non-woven tape
Outer sheath:	grey (RAL 7000), PUR type TPU

Resistance:



Oil resistance:
very good TPU acc.to DIN VDE 0282 part 10 + HD 22.10, DIN VDE 0473 part 811-2-1 IEC EN 60811-2-1



Halogen free acc. to:
DIN VDE 0482 part 267, EN 50267-2-1, IEC 60754-1 (equivalent DIN VDE 0472 part 815)

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Test voltage:	2 kV
Temperature range	
<i>Fixed laying:</i>	-50°C +90°C
<i>Flexible installation:</i>	-40°C +90°C
Radiation resistance:	5 x 10 ⁷ cj/kg
Min. bending radius	
<i>Continuously flexible:</i>	7,5 x d
Max speed (main application):	250 m/min

Features:

- labs uncritical (labs=enamel moisturing interfering substances)
- good EMC characteristics
- very flexible at low temperatures
- continuously flexible
- high abrasion resistance
- high mechanical resistance
- weather resistance
- small min. bending radius
- small outer diameter
- mat surface outer sheath
- travel > 10 m is possible
- good against acids,alkalines,solvents,hydraulic liquids etc.
- 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 mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.)*
04100D41020M05	2 x 0,5	6,8	38,4	51	20
04100D40031M05	3 G 0,5	7,0	43,6	58	20
04100D40041M05	4 G 0,5	7,4	51,1	67	20
04100D40051M05	5 G 0,5	7,9	61,5	77	20
04100D40071M05	7 G 0,5	9,0	74,1	101	20
04100D40121M05	12 G 0,5	10,6	108,2	151	20
04100D40181M05	18 G 0,5	12,2	143	203	20
04100D40251M05	25 G 0,5	14,8	217	299	20
04100D40361M05	36 G 0,5	16,4	275,3	379	20
04100D40521M05	52 G 0,5	19,2	379,7	524	20
04100D40651M05	65 G 0,5	21,7	451,5	647	20

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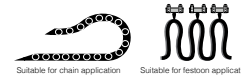


Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
04100D41020M07	2 x 0,75	7,3	46,3	59	19
04100D40031M07	3 G 0,75	7,6	54,1	70	19
04100D40041M07	4 G 0,75	8	64	82	19
04100D40051M07	5 G 0,75	8,8	74,3	98	19
04100D40071M07	7 G 0,75	9,8	92,3	123	19
04100D40121M07	12 G 0,75	11,9	142,4	192	19
04100D40181M07	18 G 0,75	14,2	215,3	294	19
04100D40251M07	25 G 0,75	16,6	289,7	386	19
04100D40361M07	36 G 0,75	18,7	387,7	520	19
04100D40521M07	52 G 0,75	21,9	514,3	722	19
04100D40651M07	65 G 0,75	24,5	639,8	868	19
04100D41020M10	2 x 1	7,7	56,5	68	18
04100D40031M10	3G 1	8	66,4	82	18
04100D40041M10	4 G 1	8,5	77,3	97	18
04100D40051M10	5 G 1	9,3	89	114	18
04100D40071M10	7 G 1	10,7	117,9	159	18
04100D40121M10	12 G 1	12,8	174,9	239	18
04100D40181M10	18 G 1	15,2	270,2	353	18
04100D40251M10	25 G 1	18,4	367,5	481	18
04100D40361M10	36 G 1	20,3	478,7	633	18
04100D40521M10	52 G 1	23,8	668,9	884	18
04100D40651M10	65 G 1	26,8	805,7	1081	18
04100D41010M15	1 x 1,5	4,6	24,8	35	16
04100D41020M15	2 x 1,5	8,3	66,8	82	16
04100D40031M15	3G 1,5	8,8	81,5	104	16
04100D40041M15	4 G 1,5	9,4	101,2	125	16
04100D40051M15	5 G 1,5	10,1	122,2	145	16
04100D40071M15	7 G 1,5	11,9	156,8	206	16
04100D40121M15	12 G 1,5	14,7	269,7	341	16
04100D40181M15	18 G 1,5	16,9	369,2	465	16
04100D40251M15	25 G 1,5	20,4	493,4	633	16
04100D40361M15	36 G 1,5	23,0	660,3	856	16
04100D40521M15	52 G 1,5	26,9	931	1056	16
04100D40651M15	65 G 1,5	29,9	1132,8	1450	16
04100D41010M25	1 x 2,5	5,3	38	49	14
04100D41020M25	2 x 2,5	9,9	98,2	117	14
04100D40031M25	3G 2,5	10,6	122,8	159	14
04100D40041M25	4 G 2,5	11,5	150,1	197	14
04100D40051M25	5 G 2,5	12,6	179,6	236	14
04100D40071M25	7 G 2,5	15	265,2	335	14
04100D40121M25	12 G 2,5	18,5	417,1	525	14
04100D40181M25	18 G 2,5	21,8	571,4	739	14
04100D40251M25	25 G 2,5	26	780,8	1004	14
04100D40361M25	36 G 2,5	28,7	1058	1341	14
04100D40521M25	52 G 2,5	33	1479,3	1817	14
04100D41010M40	1 x 4	6	54,4	68	12
04100D41020M40	2 x 4	11,9	132,8	179	12
04100D40031M40	3 G 4	12,1	172,9	224	12
04100D40041M40	4 G 4	13,7	216,5	287	12
04100D40051M40	5 G 4	15,0	289,2	357	12
04100D40071M40	7 G 4	18	396,3	486	12
04100D41010M60	1 x 6	6,6	75,3	90	10
04100D41020M60	2 x 6	13,7	182,6	251	10
04100D40031M60	3 G 6	14,6	258,8	334	10
04100D40041M60	4 G 6	15,9	328,3	414	10
04100D40051M60	5 G 6	17,2	398,4	485	10
04100D40071M60	7 G 6	20,6	537,3	615	10
04100D41010M61	1 x 10	7,7	117,5	135	8
04100D40031M61	3 G 10	17,4	392,9	502	8
04100D40041M61	4 G 10	18,7	507,4	624	8
04100D40051M61	5 G 10	20,5	615,5	731	8
04100D41010M62	1 G 16	9,1	179,9	206	6
04100D40031M62	3 G 16	20,7	598,4	724	6
04100D40041M62	4 G 16	22,5	758,2	915	6
04100D40051M62	5 G 16	24,7	947,1	1101	6

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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.)*
04100D41010M63	1 x 25	10,7	287,7	306	4
04100D40031M63	3 G 25	23,9	898,2	1047	4
04100D40041M63	4 G 25	25,8	1148	1312	4
04100D40051M63	5 G 25	29,1	1400,1	1610	4
04100D41010M64	1 G 35	12,5	390,6	408	2
04100D40041M64	4 G 35	30,1	1546,4	1765	2
04100D40051M64	5 G 35	33,1	1915,1	2119	2
04100D41010M65	1 x 50	14,9	577,2	601	1
04100D40041M65	4 G 50	35,5	2165,3	2471	1
04100D41010M66	1 x 70	17,7	783,1	826	2/0
04100D41010M67	1 x 95	21,5	1051,2	1122	3/0
04100D41010M68	1 x 120	22,7	1293,1	1356	4/0
04100D41010M69	1 x 150	26,2	1611	1712	250
04100D41010M70	1 x 185	27,9	1952,4	2059	350
04100D41010M71	1 x 240	31,3	2507	2617	450

Other dimension and colours available on request.