

FLEXIDRUM® NSHTÖU



ELETTROTEK KABEL® FLEXIDRUM® NSHTÖU



Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber HEPR type 3GI3 acc. to DIN VDE 0207
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	in layers with short lay-length
Wrapping:	non-woven tape
Inner sheath:	rubber EPR type GM1B
Supporting screen:	anti-twisting protection of high-tech yarns
Outer sheath:	black (similar to RAL 9005), rubber pcg type, 5GM2

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1-2



Oil resistance acc. to:
DIN VDE 0473 part 811-2-1
IEC EN 60811-2-1

Technical data:

Nominal voltage:	Uo/U 0,6/1 kV Max. 1,2 kV
Test voltage:	3,5 kV
Max voltage permissible in C.C.:	0,9/1,8 kV
Temperature range:	
<i>Fixed laying:</i>	-45°C up to +80°C
<i>Flexible application:</i>	-35°C up to +80°C
Min. bending radius:	acc. to DIN VDE 0298 part 3
Conductor resistance:	as per VDE 0295 Class 5
Insulation resistance:	> 20 MOhm x km
Tensile strength:	20 N/mm ²
Max speed (main application):	180 m/min

Features:

UV and chemical resistant
acc. to standard DIN VDE 0250 part 814
on request yellow version
UL types on request
possible use in festoon systems up to 240 m/min
VDE approved
for SPEED and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue
RoHS and CE approval



CABLE REELS

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Suitable for reeling application

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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	Tensile strength N	AWG no. *)
01010G7L010M61	1x10	10,5	96	200	200	8
01010G7L010M62	1x16	11,6	153	265	320	6
01010G7L010M63	1x25	13,3	240	370	500	4
01010G7L010M64	1x35	15	336	505	700	2
01010G7L010M65	1x50	17,2	480	650	1000	0
01010G7L010M66	1x70	18,6	672	875	1400	2/0
01010G7L010M67	1x95	21	912	1120	1900	3/0
01010G7L010M68	1x120	24	1152	1440	2400	4/0
01010G7L010M69	1x150	26	1440	1730	3000	250 MCM
01010G7L010M70	1x185	27,7	1776	2070	3700	350 MCM
01010G7L010M71	1x240	30,5	2304	2660	4800	450 MCM
01010G72031M15	3G1,5	13	43,2	255	68	16
01010G72031M25	3G2,5	14,5	72	310	113	14
01010G72031M40	3G4	16	115	395	240	12
01010G72031M60	3G6	18,2	172	525	360	10
01010G72031M61	3G10	21,3	288	765	600	8
01010G72031M62	3G16	24,6	460	1080	960	6
01010G72031M63	3G25	28	720	1470	1500	4
01010G72031M64	3G35	32	1008	2030	2100	2
01010G72031M65	3G50	37	1440	2680	3000	0
01010G72031M66	3G70	41	2016	3530	4200	2/0
01010G72031M67	3G95	45,5	2736	4400	5700	3/0
01010G72031M68	3G120	51,5	3456	5730	7200	4/0
01010G72031M69	3G150	57,5	4320	7040	9000	250 MCM
01010G72031M70	3G185	62	5328	8320	11100	350 MCM
01010G72031M71	3G240	70	6912	10850	14400	450 MCM
01010G72037M65	3x50 + 3G25/3	35,8	1680	2730	3000	0
01010G72037M66	3x70 + 3G35/3	41,2	2352	3740	4200	2/0
01010G72037M67	3x95 + 3G50/3	45,5	3216	4690	5700	3/0
01010G72037M68	3x120 + 3G70/3	51,7	4128	6220	7200	4/0
01010G72037M69	3x150 + 3G70/3	57,5	4992	7480	9020	250 MCM
01010G72037M70	3x185 + 3G95/3	62	6240	9020	11100	350 MCM
01010G72037M71	3x240 + 3G120/3	69,8	8064	11760	14400	450 MCM
01010G72037M72	3x300 + 3G150/3	72,5	9429	13946	21000	550 MCM
01010G72041M15	4G1,5	14,3	58	285	90	16
01010G72041M25	4G2,5	15,3	96	355	150	14
01010G72041M40	4G4	17	154	460	320	12
01010G72041M60	4G6	19,5	230	615	480	10
01010G72041M61	4G10	23	384	920	800	8
01010G72041M62	4G16	26,5	614	1310	1280	6
01010G72041M63	4G25	31,2	960	1860	2000	4
01010G72041M64	4G35	34,8	1344	2490	2800	2
01010G72041M65	4G50	40	1920	3300	4000	0
01010G72041M66	4G70	44	2688	4420	5600	2/0
01010G72041M67	4G95	50,8	3684	5610	7600	3/0
01010G72041M68	4G120	58	4608	7360	9600	4/0
01010G72041M69	4G150	63,2	5760	8770	12000	250 MCM
01010G72041M70	4G185	69,8	7100	10730	14800	350 MCM
01010G72041M71	4G240	76,2	9216	13560	19200	450 MCM
01010G72051M15	5G1,5	15	72	320	113	16
01010G72051M25	5G2,5	16,8	120	410	188	14
01010G72051M40	5G4	19	192	575	400	12
01010G72051M60	5G6	21	308	725	600	10
01010G72051M61	5G10	25,5	480	1140	1000	8
01010G72051M62	5G16	28,6	768	1550	1600	6
01010G72051M63	5G25	34,3	1200	2170	2500	4
01010G72051M64	5G35	38,5	1680	3080	3500	2
01010G72051M65	5G50	43,8	2400	4010	5000	0
01010G72051M66	5G70	50,2	3360	5480	7000	2/0
01010G72051M67	5G95	56,8	4560	7010	9500	3/0
01010G72048M61	4G10 + 4x2,5	24,3	480	1060	800	8
01010G72048M62	4G16 + 4x2,5	26,6	710	1360	1280	16
01010G72048M63	4G25 + 4x2,5	31,2	1056	1910	2000	16
01010G72048M64	4G35 + 4x2,5	34,5	1440	2530	2800	16
01010G72048M65	4G50 + 4x4	39,6	2073	3370	4000	0

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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	Tensile strenght N	AWG no.*)
01010G70071M15	7G1,5	16,8	101	415	158	16
01010G70121M15	12G1,5	20,1	173	585	270	16
01010G70181M15	18G1,5	22,7	259	765	405	16
01010G70241M15	24G1,5	26,7	346	1040	540	16
01010G70301M15	30G1,5	27,7	432	1140	675	16
01010G70361M15	36G1,5	30,2	518	1370	810	16
01010G70421M15	42G1,5	31,8	564	1565	945	16
01010G70071M25	7G2,5	19,1	168	570	263	14
01010G70121M25	12G2,5	22,2	288	760	450	14
01010G70181M25	18G2,5	25,7	432	1070	675	14
01010G70241M25	24G2,5	30,2	576	1450	900	14
01010G70301M25	30G2,5	31,5	720	1600	1125	14
01010G70361M25	36G2,5	33,4	864	1850	1350	14
01010G70071M40	7G4	21,5	268	1850	420	12
01010G70071M60	7G6	26,3	429	960	630	10
01010G70121M40	12G4	26	460	1851	720	12
01010G70181M40	18G4	29,4	691	1852	1080	12
01010G71032M10	3x(2x1)C	22	-	670	90	18
01010G71032M15	3x(2x1,5)C	22,5	-	740	135	16
01010G71062M10	6x(2x1)C	28	-	1080	180	18
01010G71062M15	6x(2x1,5)C	29,3	-	1210	270	16
01010G71062M25	6x(2x2,5)C	32,1	-	1570	450	14
01010G70199901	19G2,5 + 5x1(C)	32,2	556	1580	713	14
01010G70199902	19G2,5 + 5x1,5(C)	33,7	-	1630	713	14
01010G70259903	25G2,5 + 5x1(C)	34,2	700	1820	938	14
01010G70259904	25G2,5 + 5x1,5(C)	34,2	-	1850	938	14
01010G70269905	26G2,5 + 10x1 (C)	37,8	-	2150	975	14
01010G70169906	16G4+(45x1)(C)	46	1028	2808	2180	12
01010G72048908	4G25+4x(6x2,5)	51,8	1499	3390	-	14
01010G72049911	4G25+7x1,5	36,8	1060	2330	2000	4
01010G72049912	4G25+3x(4x2,5)+1x(5x2,5)	49,7	1360	3800	2000	4
01010G7203B913	3x150+2x70/2+1x(6x2,5)	62,9	4800	7138	-	250 MCM
01010G71079914	7x(5x2,5)+12FO	52,5	857	3699	-	14
01010G7303B915	3x16+2x(3x4)	28,4	691,2	1330	-	6
01010G72049916	4G25+17x2,5	49,7	1368	3450	2000	4

Other dimensions and colors available on request.