

## FLEXIDRUM® NSHTÖU (V)

ELETTROTEK KABEL® FLEXIDRUM® NSHTÖU (V)



### Construction:

<b>Conductor:</b>	flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	rubber EPR compound
<b>Cores color:</b>	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
<b>Central unit:</b>	special Kevlar
<b>Stranding:</b>	in layers around central unit
<b>inner sheath:</b>	yellow (similar to RAL 1021), rubber PCP compound
<b>Supporting screen:</b>	anti-twisting protection of textile braid
<b>Outer sheath:</b>	yellow (similar to RAL 1021), rubber PCP compound, acc. to DIN VDE 0207

### 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:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0,6/1 kV
<b>Test voltage:</b>	4 kV
<b>Temperature range:</b>	-25°C up to +90°C
<b>Max. temperature on conductor:</b>	up to +90°C
<b>Max. temperature on short circuit:</b>	up to +250°C
<b>Min. bending radius:</b>	acc. to DIN VDE 0298 part 3
<b>Max speed (main application):</b>	180 m/min

### Features:

vertical use  
acc. to standard DIN VDE 0250 part 814  
for SPEED 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 <sup>2</sup>	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strenght N	AWG no.*)
01020GY2031M15	3G1,5	12,2	43	190	130	16
01020GY2031M25	3G2,5	13,5	72	240	220	14
01020GY2031M40	3G4	16,3	115	360	360	12
01020GY2031M60	3G6	17,5	173	450	540	10
01020GY2031M61	3G10	21,1	288	680	900	8
01020GY2031M62	3G16	23,4	461	890	1440	6
01020GY2031M63	3G25	29,1	720	1200	2550	4
01020GY2037M64	3x35+3G16/3	32,6	1469	2050	3150	2
01020GY2037M65	3x50+3G25/3	38,8	2160	2810	4500	0
01020GY2037M66	3x70+3G35/3	42,3	3024	3750	6300	2/0
01020GY2037M67	3x95+3G50/3	48,7	4176	4750	8550	3/0
01020GY2037M68	3x120+3G70/3	53	5472	5950	10800	4/0
01020GY2037M69	3x150+3G70/3	57,7	6336	7050	13500	250 MCM
01020GY2037M70	3x185+3G95/3	63,3	8064	8800	16650	350 MCM
01020GY2037M71	3x240+3G120/3	71,4	10368	11700	21600	450 MCM

# CABLE REELS

## FLEXIDRUM® NSHTÖU (V)

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Suitable for reeling application



Suitable for festoon application

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no.*)
01020GY2041M40	4G4	17,4	154	440	480	12
01020GY2041M60	4G6	18,8	230	530	720	10
01020GY2041M61	4G10	22,9	384	830	1200	8
01020GY2041M62	4G16	26,3	614	1170	1920	6
01020GY2041M63	4G25	33,2	960	1850	3000	4
01020GY2041M64	4G35	35,7	1344	2250	4200	2
01020GY2041M65	4G50	42,2	1920	3200	6000	1
01020GY2041M66	4G70	46,6	2688	4200	8400	2/0
01020GY2041M67	4G95	53,2	3648	5550	11400	3/0
01020GY2041M68	4G120	59,7	4608	7000	14400	4/0
01020GY2041M69	4G150	65,1	5760	8450	18000	250 MCM
01020GY2041M70	4G185	70,6	7104	10000	22200	350 MCM
01020GY2051M40	5G4	18,7	192	510	600	12
01020GY2051M60	5G6	21,2	288	690	900	10
01020GY2051M61	5G10	24,7	480	1000	1500	8
01020GY2051M62	5G16	28,5	768	1400	2400	6
01020GY2051M63	5G25	35,9	1200	2200	3750	4
01020GY2051M64	5G35	40,2	1680	2950	5250	2
01020GY2051M65	5G50	45,9	2400	3950	7500	1
01020GY2051M66	5G70	52,5	3360	5450	10500	2/0
01020GY2041M15	4G1,5	13,1	58	220	180	16
01020GY2051M15	5G1,5	14,1	72	260	220	16
01020GY0071M15	7G1,5	18,6	101	430	2260	16
01020GY0121M15	12G1,5	25,6	173	820	2450	16
01020GY0181M15	18G1,5	26,8	259	930	2680	16
01020GY0241M15	24G1,5	31,9	346	1260	2900	16
01020GY0301M15	30G1,5	35,3	432	1600	3130	16
01020GY0361M15	36G1,5	35,8	518	1650	3350	16
01020GY0441M15	44G1,5	39,4	634	2050	3650	16
01020GY2041M25	4G2,5	15,8	96	330	300	14
01020GY2051M25	5G2,5	16,8	120	390	370	14
01020GY0071M25	7G2,5	22,2	168	630	2440	14
01020GY0121M25	12G2,5	29,7	288	1150	2750	14
01020GY0181M25	18G2,5	30,6	432	1300	3130	14
01020GY0241M25	24G2,5	36,8	576	1750	3500	14
01020GY0301M25	30G2,5	40,2	720	2200	3880	14
01020GY0361M25	36G2,5	41,5	864	2350	4250	14
01020GY0441M25	44G2,5	45,5	1056	2800	4750	14
01020GY0071M40	7G4	25,4	269	870	2700	12
01020GY0121M40	12G4	34,2	461	1580	3200	12
01020GY0121M40	18G4	35,2	691	1800	3800	12

Other dimensions and colors available on request.

### FOR SPREADER APPLICATION:

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Tensile strength N	AWG no.*)
01021GY0561M15	56G1,5	38,5	576	2090	4520	16
01021GY0241M25	24G2,5	30,3	720	1320	3800	14
01021GY0301M25	30G2,5	33,2	864	1640	4250	14
01021GY0361M25	36G2,5	33,6	1056	1720	4700	14
01021GY0441M25	44G2,5	39,0	806	2240	5300	14
01021GY0561M25	56G2,5	44,8	1344	2940	6200	14

Other dimensions and colors available on request.