

## FLEXIDRUM® NSHTÖU (V)



ELETTROTEK KABEL® FLEXIDRUM® NSHTÖU (V)



Suitable for reel application



Suitable for festoon application

### Construction:

<b>Conductor:</b>	flexible tinned copper conductor Cl. 6, up to 6 mm <sup>2</sup> Flexible tinned copper conductor Cl. 5, from 10 mm <sup>2</sup>
<b>Insulation:</b>	rubber HEPR type 3GI3
<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 high-tech yarns
<b>Outer sheath:</b>	yellow (similar to RAL 1021), rubber PCP compound

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0,6/1 kV
<b>Test voltage:</b>	3,5 kV
<b>Max voltage permissible in A.C.:</b>	0,7/1,2 kV
<b>Max voltage permissible in D.C.:</b>	0,9/1,8 kV
<b>Temperature range:</b>	
<i>Fixed laying:</i>	-50°C up to +80°C
<i>Flexible application:</i>	-40°C up to +80°C
<b>Max. temperature on conductor:</b>	up to +90°C
<b>Max. temperature on short circuit:</b>	up to +200°C
<b>Min. bending radius:</b>	acc. to DIN VDE 0298 part 3
<b>Current carrying capacity:</b>	acc. to DIN VDE 0298-4
<b>Tensile strength:</b>	until 30 N/mm <sup>2</sup>
<b>Inner torsion strength:</b>	± 50°/m
<b>Max speed (main application):</b>	240 m/min

### 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

### Features:

outdoor use, moisture and UV resistant  
water stability: proved in a long-period test  
vertical use  
for SPEED and MINIMUM BENDING RADIUS  
see pages from 2 to 8 of catalogue  
RoHS and CE approval



# CABLE REELS

## FLEXIDRUM® NSHTÖU (V)



ELETTROTEK KABEL® FLEXIDRUM® NSHTÖU (V)



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	16	153,6	465	2000	12
01020GY2041M60	4G6	18,4	230,4	568	2000	10
01020GY2041M61	4G10	26,1	384,0	1155	2000	8
01020GY2041M62	4G16	29	614,4	1533	2000	6
01020GY2041M63	4G25	34,4	960	2172	2000	4
01020GY2041M64	4G35	37,4	1344	2790	2800	2
01020GY2041M65	4G50	43,4	1920	3715	4000	1
01020GY2041M66	4G70	47,8	2688	4820	5600	2/0
01020GY2041M67	4G95	55,2	3648	6315	7600	3/0
01020GY2051M40	5G4	18,4	192	438	2000	12
01020GY2051M60	5G6	20	288	698	2000	10
01020GY2051M61	5G10	24,4	480	1085	2000	8
01020GY2051M62	5G16	27,6	768	1512	2400	6
01020GY2051M63	5G25	35,8	1200	2200	3750	4
01020GY2037M64	3x35+3G16/3	30	1161,6	2169	3150	2
01020GY2037M65	3x50+3G25/3	35,9	1680	2853	4500	0
01020GY2037M66	3x70+3G35/3	41,2	2352	3915	6300	2/0
01020GY2037M67	3x95+3G50/3	45,8	3216	5025	8550	3/0
01020GY2037M68	3x120+3G70/3	53	4128	6640	10800	4/0
01020GY2037M69	3x150+3G70/3	55,9	4992	7699	13500	250 MCM
01020GY2037M70	3x185+3G95/3	60,9	6240	9318	16650	350 MCM
01020GY2037M71	3x240+3G120/3	69,4	8064	12215	21600	450 MCM
01020GY2041M15	4G1,5	13	57,6	248	2000	16
01020GY2051M15	5G1,5	13,8	72	275	2000	16
01020GY0071M15	7G1,5	18,3	100,8	498	2000	16
01020GY0121M15	12G1,5	24,6	172,8	895	2000	16
01020GY0181M15	18G1,5	25,2	259,2	950	2000	16
01020GY0241M15	24G1,5	29,8	276,5	1056	2000	16
01020GY0301M15	30G1,5	32,4	432	1350	2000	16
01020GY0361M15	36G1,5	33,8	518,4	1400	2000	16
01020GY0441M15	44G1,5	35	633,6	1720	2000	16
01020GY0561M15	56G1,5	36,9	806,4	2215	2520	16
01020GY2031M25	3G2,5	13,8	72	310	2000	14
01020GY2041M25	4G2,5	14,3	96	370	2000	14
01020GY2051M25	5G2,5	15,2	120	439	2000	14
01020GY0071M25	7G2,5	20,9	168	630	2000	14
01020GY0121M25	12G2,5	24,7	288	1132	2000	14
01020GY0181M25	18G2,5	28,8	432	1234	2000	14
01020GY0241M25	24G2,5	31,7	576	1530	2000	14
01020GY0301M25	30G2,5	33,8	720	1810	2000	14
01020GY0361M25	36G2,5	35,9	864	1940	2000	14
01020GY0441M25	44G2,5	40,5	1056	2510	3300	14
01020GY0561M25	56G2,5	44,5	1344	3215	4200	14
01020GY0071M40	7G4	34	268,8	1080	2000	12
01020GY0121M40	12G4	34,4	460,8	1260	2000	12
01020GY0121M40	18G4	27	565,1	1770	2000	12
01020GY1032M10	3x(2x1)C	23	-	330	2000	18
01020GY1062M05	6x(2x0,5)C	24,1	-	402	2000	20
01020GY1062M10	6x(2x1)C	29,9	-	585	2000	18
01020GY1129900	(12x1)C	24,9	-	718	2000	18
01020GY0129901	12G2,5+12x(1)C	27,7	-	1154	2000	14
01020GY0199902	19G2,5+5x(1)C	28,5	545	1561	2000	14
01020GY0259903	25G2,5+5x(1)C	30,9	710	2158	2100	14
01020GY0199904	19G2,5+5x(1,5)C	31,4	594	1595	2000	14
01020GY0248M25	24G2,5+4x(1)C	38,5	665	2060	4000	14

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.*)
01021GY0461M10	46G1	26,5	441,6	970	4700	18
01021GY0491M10	49G1	28,5	470,4	1100	-	18
01021GY0241M25	24G2,5	28,1	576	1200	3800	14
01021GY0301M25	30G2,5	31,3	720	1260	-	14
01021GY0361M25	36G2,5	32	864	1500	5700	14
01021GY0441M25	44G2,5	35,9	1056	1890	6900	14
01021GY0561M25	56G2,5	39	1344	2300	8800	14
01021GY0241M40	24G4	40,2	658	2280	4000	12