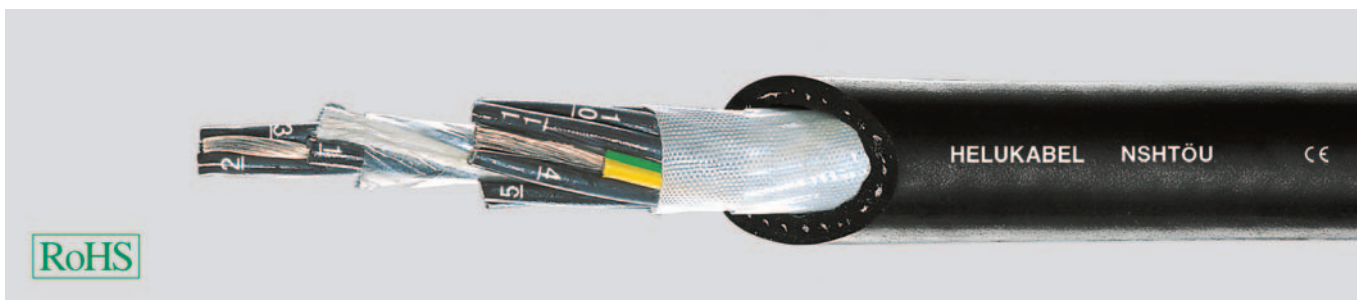


# NSHTÖU drum cable, VDE approved



## Technical data

- Special-crane-drum cable to DIN VDE 0250 part 814
- **Temperature range**  
flexing -35°C to +70°C  
fixed installation -40°C to +70°C
- max. **Temperature at conductor**  
in operation +60°C  
in short-circuit +200°C
- **Nominal voltage**  $U_0/U 0,6/1$  kV
- max. **permissible operating voltages**  
in three-phase and one-phase a.c. system  $U_0/U 0,7/1,2$  kV  
in direct current system  $U_0/U 0,9/1,8$  kV
- **Test voltage** 2500 V
- **Insulation resistance**  
min. 10 MOhm x km
- **Minimum bending radius**  
7,5 x cable  $\varnothing$
- **Radiation resistance**  
up to  $20 \times 10^6$  cJ/kg (up to 20 Mrad)

## Cable structure

- Tinned copper-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of rubber compound type G11 to DIN VDE 0207 part 20
- Core identification to DIN VDE 0293  
- up to 5 cores coloured  
- from 6 cores, black with continuous white numbering
- Cores stranded (without elongated central core) with max. lay-length of  $8 \times \varnothing$  over the stranding layers
- Textile tape
- Textile braiding as protection against torsion, embedded in inner filling sheath
- Outer sheath of neoprene compound type 5GM2 to DIN VDE 0207 part 21
- Sheath colour black

## Properties

- Designed and developed for horizontal drum-operation
- Permissible running speed up to max. 120 m/min
- Polychloroprene-rubber (neoprene)-sheath, extremely cold resistant
- Due to the neoprene outer sheath, the cables **is resistant** against ozone and radiation, oils, acids, fats, gasoline, solvents and chemicals
- During the installation and operation the tensile stress on conductor may not increase 15 N/mm<sup>2</sup>
- Acceleration not more than 0,4 m/s<sup>2</sup>
- During operation, 1-2 convolutions should remain on the operating drum
- In case of high mechanical stress, especially of high dynamic tensile stress result high acceleration, the permissible stress must be defined in each case

## Tests

- Behaviour in fire  
to DIN VDE 0482-332-1-2  
DIN EN 60332-2-1, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- Oil resistant acc. to  
DIN VDE 0473-811-404, DIN EN 60811-404

## Note

- G = with green-yellow conductor
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.

## Application

Trailing cables are used for high mechanical stress, especially for applications with frequent winding and unwinding with simultaneous tensile and torsional stress, for building machinery, conveyors, shifts and cranes. They are used as robust and all weather resistant cables of roughest operations in mining and in flexible handling equipment and railway motors. The cables are suitable for outdoor installation in dry, damp and wet places as well in open air. For applications which go beyond standard solutions we recommend that you fill out our especially developed questionnaire for reeling cables. Please read the installation instructions.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer $\varnothing$ app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
26001	3 G 1,5	13,6	47,0	236,0	16
26029	4 G 1,5	14,0	58,0	274,0	16
26002	5 G 1,5	14,5	81,0	316,0	16
26003	7 G 1,5	18,8	115,0	440,0	16
26004	12 G 1,5	21,0	196,0	606,0	16
26005	16 G 1,5	24,5	259,0	696,0	16
26006	18 G 1,5	25,5	271,0	750,0	16
26007	24 G 1,5	27,5	390,0	1150,0	16
26008	30 G 1,5	29,5	432,0	1325,0	16
26009	3 G 2,5	15,3	74,0	305,0	14
26010	4 G 2,5	16,5	98,0	350,0	14
26011	5 G 2,5	17,5	124,0	465,0	14
26012	7 G 2,5	20,0	168,0	576,0	14
26013	12 G 2,5	23,5	308,0	850,0	14
26014	18 G 2,5	28,0	451,0	1181,0	14
26015	24 G 2,5	32,5	615,0	1550,0	14
26016	30 G 2,5	34,0	770,0	1810,0	14
26017	40 G 2,5	42,5	1080,0	3110,0	14
26018	50 G 2,5	46,5	1200,0	3200,0	14

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer $\varnothing$ app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
26019	4 G 4	18,5	158,0	510,0	12
26030	5 G 4	21,5	220,0	635,0	12
26020	4 G 6	21,0	241,0	650,0	10
26031	5 G 6	23,5	317,0	800,0	10
26021	4 G 10	26,0	404,0	1010,0	8
26022	5 G 10	28,0	508,0	1200,0	8
26023	4 G 16	29,0	642,0	1300,0	6
26032	5 G 16	31,5	768,0	1700,0	6
26024	4 G 25	35,0	1005,0	2000,0	4
26025	4 G 35	37,5	1344,0	2610,0	2
26026	4 G 50	44,5	2010,0	3500,0	1
26027	4 G 70	49,0	2688,0	4600,0	2/0
26028	4 G 95	56,0	3648,0	6100,0	3/0

Dimensions and specifications may be changed without prior notice. (RG01)