



## Technical data

- Trailing cable acc. to UL AWM Style 20235 CSA/AWM
- **Temperature range**  
flexing -40 °C to +80 °C  
fixed installation -50 °C to +80 °C
- **Nominal voltage**  
acc. to VDE 600/1000 V  
acc. to UL 1000 V
- **A.c. test voltage**, 50 Hz  
core/core 4000 V
- **Insulation resistance**  
min. 20 MOhm x km
- **Tensile strength** s. table
- **Speed of motion**  
up to 250 m/min
- **Minimum bending radius**  
approx. 6x cable ø

## Cable structure

- Bare copper, extra fine wire conductor to VDE 0295 cl. 6 and IEC 60228 cl. 6
- TPE core insulation
- Core colours up to 5 cores acc. to DIN VDE 0293, 6 or more cores black with white numbers + gnye
- Cores stranded around support element
- Polyester fleece wrapping
- High-tensile PUR double sheath with integrated support braiding
- Sheath colour yellow

## Properties

- PUR outer sheath, low adhesion, abrasion resistant, halogen-free, resistant to UV, oil, hydrolysis and microbial attack
- PUR sheath: self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- Due to the PUR outer jacket, the cable is resistant against ozone and radiation, as well as oils, greases and petrol

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## Application

Significantly smaller external diameters, smaller bending radii and reduced weights compared to NSHTÖU cables enable the use of smaller drive motors and drums, thus providing significant cost savings.

> 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 and lifting systems, and cranes. They are used as robust and all-weather resistant cables in the harshest operating environments in mining and in flexible handling equipment and railway motors. The cables are suitable for installation in dry, damp and wet environments, as well as outdoors.

## Notes

- During installation and operation the tensile stress on the cable must not exceed 15 N/mm<sup>2</sup>
- Acceleration must not exceed 0,4 m/sec<sup>2</sup>
- 1 to 2 turns should remain on the drum during operation

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

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
77144	4 G 1,5	10,2	58,0	157,0
77145	5 G 1,5	10,8	72,0	176,0
77146	7 G 1,5	12,9	101,0	245,0
77147	12 G 1,5	18,4	173,0	337,0
77148	18 G 1,5	18,6	259,0	526,0
77149	24 G 1,5	21,3	345,6	662,0
77150	30 G 1,5	24,6	432,0	901,0
77151	42 G 1,5	26,5	604,8	1056,0
77152	4 G 2,5	11,7	96,0	208,0
77153	5 G 2,5	12,7	120,0	263,0
77154	7 G 2,5	14,8	168,0	327,0
77155	12 G 2,5	20,4	288,0	533,0
77156	18 G 2,5	21,1	432,0	725,0
77157	24 G 2,5	24,8	576,0	988,0
77158	30 G 2,5	27,6	720,0	1242,0
77159	40 G 2,5	30,0	960,0	1500,0
77160	50 G 2,5	34,3	1200,0	1800,0

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
77161	4 G 4	12,5	154,0	270,0
77172	5 G 4	14,3	192,0	362,0
77162	4 G 6	16,9	230,0	409,0
77173	5 G 6	17,8	288,0	511,0
77163	4 G 10	19,6	384,0	633,0
77174	5 G 10	20,9	480,0	766,0
77164	4 G 16	23,8	614,0	936,0
77175	5 G 16	25,3	768,0	1170,0
77165	4 G 25	27,7	960,0	1485,0
77166	4 G 35	30,1	1344,0	2115,0
77167	4 G 50	35,2	1920,0	2600,0
77168	4 G 70	40,3	2688,0	3700,0
77169	4 G 95	50,6	3648,0	4800,0
77170	4 G 120	53,0	4608,0	5900,0
77171	4 G 150	56,0	5760,0	7100,0

Dimensions and specifications may be changed without prior notice.