



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**
DIN VDE 600/1000 V
UL 1000 V
- **A.c. test voltage**, 50 Hz
core/core 4000 V
- **Insulation resistance**
min. 20 MOhm x km
- **Speed of motion**
up to 250 m/min
- **Minimum bending radius**
6x cable Ø

Cable structure

- Bare copper-conductor, to DIN VDE 0295 cl.6, extra fine-wire, BS 6360 cl.6, IEC 60228 cl.6
- Core insulation of TPE
- Core identification to DIN VDE 0293
- up to 5 cores coloured
- from 6 cores, black with continuous white numbering
- GN-YE conductor
- Cores stranded around support element
- Polyester fleece wrapping
- Outer sheath of PUR 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
- Due to the PUR outer sheath, the cable is resistant against ozone and radiation, as well as oils, greases and petrol

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

Significantly smaller external diameters, smaller bending radii and reduced weights compared to NSHTÖ 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 25 N/mm²
- Acceleration must not exceed 0,4 m/s²
- 1 to 2 turns should remain on the drum during operation

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

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.	Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
77144	4 G 1,5	10,2	58,0	157,0	16	77161	4 G 4	12,5	154,0	270,0	12
77145	5 G 1,5	10,8	72,0	176,0	16	77172	5 G 4	14,3	192,0	362,0	12
77146	7 G 1,5	12,9	101,0	245,0	16	77162	4 G 6	16,9	230,0	409,0	10
77147	12 G 1,5	18,4	173,0	337,0	16	77173	5 G 6	17,8	288,0	511,0	10
77148	18 G 1,5	18,6	259,0	526,0	16	77163	4 G 10	19,6	384,0	633,0	8
77149	24 G 1,5	21,3	345,6	662,0	16	77174	5 G 10	20,9	480,0	766,0	8
77150	30 G 1,5	24,6	432,0	901,0	16	77164	4 G 16	23,8	614,0	936,0	6
77151	42 G 1,5	26,5	604,8	1056,0	16	77175	5 G 16	25,3	768,0	1170,0	6
77152	4 G 2,5	11,7	96,0	208,0	14	77165	4 G 25	27,7	960,0	1485,0	4
77153	5 G 2,5	12,7	120,0	263,0	14	77166	4 G 35	30,1	1344,0	2115,0	2
77154	7 G 2,5	14,8	168,0	327,0	14	77167	4 G 50	35,2	1920,0	2600,0	1
77155	12 G 2,5	20,4	288,0	533,0	14	77168	4 G 70	40,3	2688,0	3700,0	2/0
77156	18 G 2,5	21,1	432,0	725,0	14	77169	4 G 95	50,6	3648,0	4800,0	3/0
77157	24 G 2,5	24,8	576,0	988,0	14	77170	4 G 120	53,0	4608,0	5900,0	4/0
77158	30 G 2,5	27,6	720,0	1242,0	14	77171	4 G 150	56,0	5760,0	7100,0	300 kcmil
77159	40 G 2,5	30,0	960,0	1500,0	14						
77160	50 G 2,5	34,3	1200,0	1800,0	14						

Dimensions and specifications may be changed without prior notice.