



### Technical data

- PVC-insulated jumper wire as per UL AWM Style 1015/MTW and CSA-AWM/TEW
  - as per **UL-Style 1015 and CSA-TEW**
- **Temperature range**
  - flexible - 5°C to +105°C
  - fixed installation -30°C to +105°C
- **Temperature at conductor max.** UL and CSA: +105°C
- **Nominal voltage** 600 V
- **Test voltage (Spark test)**
  - AWG 24 :4 kV
  - AWG 22 and 20 :5 kV
  - AWG 18 to 10 :6 kV
  - ≥ AWG 8 :7,5 kV
- UL-type **AWM + MTW** 105°C 600 V
- CSA-type **AWM + TEW** 105°C 600 V
- **Bending radius**
  - once ca. 5x cable Ø
  - multiple ca. 10x cable Ø

### Cable structure\*

- Stranded copper conductor, tinned or plain\*\*, AWG-sizes as per table below
- PVC-core insulation according to UL-Standard 1581, class 43 and CSA-C22.2 No. 210 UL VW-1 and CSA FT1, heat and damp resistant
- PVC self-extinguishing and flame retardant, test method to UL VW-1
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

### Standards

- UL** = Underwriters Laboratories Inc. (USA)
- CSA** = Canadian Standards Association (Canada)

### Application

For the internal wiring of switchboards, electrical equipment, e. g. households, radio or televisions and control desks. Connecting wires in machines laid in protective tubes and flexible pipes and also for motors and transformers.

UL bzw. CSA:

**AWM: Appliance Wiring Material**  
For internal wirings for electrical equipment and control apparatus e. g. electronic assembly components.

**UL-MTW: Machine Tool-Wires**  
**CSA-TEW: Equipment/Lead Wires**

**MTW: Machine Tool Wire**  
For the electrical installation of machine tools and the relative control

### Resistance

- Conditionally resistant to
- Oils
  - Solvents
  - Acids
  - Lyes

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

### UL/CSA AWM = 105°C, UL MTW, CSA TEW = 105°C, 600 V

Part No.	AWG-no.¹)	as per UL-AWM MTW	CSA AWM TEW	cross-section ca. mm²	Outer Ø ca. mm	Cop kg / km	Weight ca. kg / km
601	24	1015/MTW	AWM/TEW	0,21	2,2	2,3	8
602	22	1015/MTW	AWM/TEW	0,33	2,4	3,2	10
603	20	1015/MTW	AWM/TEW	0,52	2,5	5,0	12
604	18	1015/MTW	AWM/TEW	0,81	2,8	7,9	16
605	16	1015/MTW	AWM/TEW	1,31	3,0	12,6	22
606	14	1015/MTW	AWM/TEW	2,08	3,6	20,7	31
607	12	1015/MTW	AWM/TEW	3,32	4,2	33,0	45
608	10	1015/MTW	AWM/TEW	5,26	4,8	51,6	65
609	8	1015/MTW	AWM/TEW	8,35	6,4	80,6	110
610	6	1015/MTW	AWM/TEW	13,29	8,2	125,0	175
611	4	1015/MTW	AWM/TEW	21,14	9,3	201,0	260
612	3	1015/MTW	AWM/TEW	26,65	9,5	253,0	340
613	2	1015/MTW	AWM/TEW	33,61	11,8	317,0	380
614	1	1015/MTW	AWM/TEW	42,38	14,0	399,0	500
615	1/0	1015/MTW	AWM/TEW	53,47	15,0	500,0	615
616	2/0	1015/MTW	AWM/TEW	67,40	16,0	631,0	750
617	3/0	1015/MTW	AWM/TEW	84,97	18,5	792,0	900
618	4/0	1015/MTW	AWM/TEW	107,17	20,2	996,0	1070
62501	250 kcmil	1015/MTW		127	19,6	1178,0	1280
62601	300 kcmil	1015/MTW		152	20,9	1410,0	1518
62701	350 kcmil	1015/MTW		178	22,2	1645,0	1756
62801	400 kcmil	1015/MTW		203	24,5	1902,0	2002
62901	500 kcmil	1015/MTW		254	25,8	2345,0	2475

\* Due to design the constructional alternations may be possible.

\*\* Plain copper conductor on request (cross-section in metric dimensions). PVC cables will be changed to lead free PVC successively.

For further single cores see the following pages:

- for PVC, see pages D1 - D10.

- for PUR, see page G 32.

- for rubber, see pages G 31, O 15.

- halogen-free, see pages G 23 - G 24, E 5, E 15 - E 16, E 24 - E 26.

- heat-resistant, see pages E 5 - E 6, E 10 - E 11, E 13 - E 16, E 21, E 23 - E 25.

- vehicle cables, see pages K 1 - K 4.

Further sizes and jacket colours available on request.

### \*) Note

AWG sizes are approximate equivalent values.

The actual cross-section is in mm² - see page T 15.

► You can find further information regarding UL/CSA-Cables on pages T71 - T77.

Type **THHN, TEW-AWM** see page F 5.

Please complete the above part no. for the colour required, using the following table:

___00 green	___06 grey	___12 beige
___01 black	___07 violet	___13 green-yellow
___02 blue	___08 yellow	___14 blue/white
___03 brown	___09 orange	___15 dark blue
___04 red	___10 transparent	
___05 white	___11 pink	