

UL-Style 1015 600V

PVC single core cables, UL/CSA approved



Cable structure

- Stranded bare copper conductor, tinned or plain (plain on request)
- PVC core insulation according to UL-Standard 1581, class 43 and CSA FT1, heat and damp resistant
- Type printed on core surface
- PVC self-extinguishing and flame retardant, test method according to UL VW-1-1/CSA FT1

Standards

UL = Underwriters Laboratories Inc.(USA)
CSA = Canadian Standards Association (Kanada)
AWM: Appliance Wiring Metal (American norm for cable cross-sections)
 For internal use in electrical equipments and control machines.
MTW: Machine tool-wires (USA)

Technical data

- Jumper wire PVC insulated according to UL AWM-Style 1015/MTW and CSA-AWM/TEW
- **Temperature range**: flexing from -5 °C to +105 °C fixed from -30 °C to +105 °C
- **Temperature at conductor** max. UL a CSA: +105 °C
- **Nominal voltage** 600 V
- **Test voltage a.c.** 3000 V
- **Spark test** AWG 24 4000 V
- AWG 22 and 20 5000 V
- AWG 18-10 6000 V
- >= AWG 8 7500 V
- UL-typ **AWM + MTW** 105 °C 600 V
- CSA-typ **AWM + TEW** 105 °C 600 V
- **Minimum bending radius** approx. 5× cable diameter, multiple approx. 10× cable diameter

Application

The cables ideal for internal use in switchboards, electrical appliances in households, televisions and control desks. The cables are also suitable as connection wire in equipments, for laying in protective and flexible tubes, for engines and transformers. Extensively resistant to oils, solvents, acids and alkalis.

Note

Conforms to RoHS.
 Multicore cables available on request.
 When ordering, please complete the Part No. of the cable using the table below.

- 00 green -- 03 brown -- 06 grey -- 09 orange -- 12 beige -- 15 dark/blue
- 01 black -- 04 red -- 07 violet -- 10 transparent -- 13 green/yellow
- 02 blue -- 05 white -- 08 yellow -- 11 pink -- 14 blue/white

Part No.	AWG core size	According to UL-AWM Style	CSA-AWM	core cross-section mm ²	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
01601	24	1015/MTW	AWM/TEW	0,21	2,3	2,3	8
01602	22	1015/MTW	AWM/TEW	0,33	2,5	3,2	10
01603	20	1015/MTW	AWM/TEW	0,52	2,7	5,5	12
01604	18	1015/MTW	AWM/TEW	0,81	3,0	8,5	16
01605	16	1015/MTW	AWM/TEW	1,31	3,3	13,0	22
01606	14	1015/MTW	AWM/TEW	2,08	3,6	21,0	32
01607	12	1015/MTW	AWM/TEW	3,32	4,2	28,0	46
01608	10	1015/MTW	AWM/TEW	5,26	4,8	47,0	65
01609	8	1015/MTW	AWM/TEW	8,35	6,6	80,6	119
01610	6	1015/MTW	AWM/TEW	13,29	8,2	121,0	175
01611	4	1015/MTW	AWM/TEW	21,14	9,4	201,0	256
01612	3	1015/MTW	AWM/TEW	26,65	9,6	253,0	340
01613	2	1015/MTW	AWM/TEW	33,61	11,8	324,0	384
01614	1	1015/MTW	AWM/TEW	42,38	14,0	385,0	500
01615	1/0	1015/MTW	AWM/TEW	55,47	15,0	500,0	615
01616	2/0	1015/MTW	AWM/TEW	67,4	16,0	631,0	750
01617	3/0	1015/MTW	AWM/TEW	84,97	18,5	792,0	900
01618	4/0	1015/MTW	AWM/TEW	107,17	20,2	996,0	1070