

# UL-Style 1015

PVC single core, 600 V



## Technical data

- PVC-single core acc. to UL AWM Style 1015 / MTW and CSA-AWM/TEW
- **Temperature range**  
flexible -5°C to +105°C  
fixed installation -30°C to +105°C
- **Nominal voltage**  
600 V
- **Test voltage** (Spark test)  
AWG 24 = 4 kV  
AWG 22 - 10 = 7,5 kV  
AWG 8 - 2 = 10 kV  
AWG 1 - 4/0 = 12,5 kV  
250 - 500 kcmil = 15 kV
- UL type **AWM+MTW** 105°C 600 V
- CSA type **AWM+TEW** 105°C 600 V
- **Minimum bending radius**  
flexible 10x outer Ø  
fixed installation 5x outer Ø

## Cable structure

- Tinned copper conductor, acc. to UL Std.758 with AWG dimensions
- Core insulation of PVC
- For structural reasons, constructive changes are possible

## Properties

- **Conditionally resistant to**  
Oils  
Solvents  
Acids  
Lyes
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

## Tests

- Flame retardant acc. to UL VW-1 / CSA FT1

## Note

- Please add the appropriate item number when ordering using the following indicator:  
00 = green, 01 = black, 02 = blue, 03 = brown, 04 = red, 05 = white, 06 = grey, 07 = violet, 08 = yellow, 09 = orange, 10 = transparent, 11 = pink, 12 = beige, 13 = green-yellow, 14 = blue/white, 15 = dark blue, 27 = white/blue (supply up to AWG 8)
- AWG 24 without MTW

## Application

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

**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.

**UL = Underwriters Laboratories Inc. (USA)**

**CSA = Canadian Standards Association (Canada)**

**CE** = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
601xx	1 x 0,21	24	2,2	2,3	8,0
602xx	1 x 0,33	22	2,4	3,2	10,0
603xx	1 x 0,52	20	2,6	5,0	12,0
604xx	1 x 0,81	18	2,9	7,9	16,0
605xx	1 x 1,31	16	3,2	12,6	22,0
606xx	1 x 2,08	14	3,5	20,7	31,0
607xx	1 x 3,32	12	4,2	33,0	45,0
608xx	1 x 5,26	10	4,8	51,6	65,0
609xx	1 x 8,35	8	6,5	80,6	110,0
610xx	1 x 13,29	6	8,2	125,0	175,0
611xx	1 x 21,14	4	9,9	201,0	260,0
612xx	1 x 26,65	3	10,7	253,0	340,0

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
613xx	1 x 33,61	2	11,5	317,0	380,0
614xx	1 x 42,38	1	13,3	399,0	500,0
615xx	1 x 53,47	1/0	14,2	500,0	615,0
616xx	1 x 67,4	2/0	15,8	631,0	750,0
617xx	1 x 84,97	3/0	17,5	792,0	900,0
618xx	1 x 107,17	4/0	19,2	996,0	1070,0
62501	1 x 127	250 kcmil	21,7	1178,0	1280,0
62601	1 x 152	300 kcmil	22,7	1410,0	1518,0
62701	1 x 178	350 kcmil	26,3	1645,0	1756,0
62801	1 x 203	400 kcmil	27,2	1902,0	2002,0
62901	1 x 254	500 kcmil	28,3	2345,0	2475,0

Dimensions and specifications may be changed without prior notice. (RN06)