

# UL-Style 1015 PVC single core, 600V



## Technical data

- PVC-single core 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 approx. 5x core Ø  
multiple approx. 10x core 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

## Properties

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

## Note

- Please complete the above part number for the colour required, using the following table:  
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)

## Application

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

UL bzw. CSA:

**AWM** = **A**ppliance **W**iring **M**aterial

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** = **M**achine **T**ool **W**ire

For the electronical installation of machine tools and the relative control

**UL** = **U**nderwriters **L**aboratories Inc. (USA)

**CSA** = **C**anadian **S**tandards **A**ssociation (Kanada)

**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>	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. 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	2,5	5,0	12,0
604xx	1 x 0,81	18	2,8	7,9	16,0
605xx	1 x 1,31	16	3,1	12,6	22,0
606xx	1 x 2,08	14	3,5	20,7	31,0
607xx	1 x 3,32	12	4,0	33,0	45,0
608xx	1 x 5,26	10	4,6	51,6	65,0
609xx	1 x 8,35	8	6,5	80,6	110,0
610xx	1 x 13,29	6	8,0	125,0	175,0
611xx	1 x 21,14	4	9,5	201,0	260,0
612xx	1 x 26,65	3	10,4	253,0	340,0

Part No.	No. cores x cross-sec. mm <sup>2</sup>	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
613xx	1 x 33,61	2	11,3	317,0	380,0
614xx	1 x 42,38	1	13,3	399,0	500,0
615xx	1 x 53,47	1/0	13,6	500,0	615,0
616xx	1 x 67,4	2/0	15,5	631,0	750,0
617xx	1 x 84,97	3/0	17,5	792,0	900,0
618xx	1 x 107,17	4/0	19,0	996,0	1070,0
62501	1 x 127	250 kcmil	21,2	1178,0	1280,0
62601	1 x 152	300 kcmil	22,4	1410,0	1518,0
62701	1 x 178	350 kcmil	25,3	1645,0	1756,0
62801	1 x 205	400 kcmil	26,0	1902,0	2002,0
62901	1 x 254	500 kcmil	28,0	2345,0	2475,0

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