

UL-Style 1015 PVC single core, 600 V



Technical data

- PVC-single core as per UL AWM Style 1015/ MTW and CSA-AWM/TEW
- **Temperature range**
flexible -5°C to +105°C
fixed installation -30°C to +105°C
- **Temperature at conductor**
UL/CSA max. +105°C
- **Nominal voltage** 600 V
- **Test voltage** (Spark test)
AWG 24 = 4 kV
AWG 22 and 20 = 5 kV
AWG 18 and 10 = 6 kV
AWG 8 = 7,5 kV
- UL-type **AWM+MTW** 105°C 600 V
- CSA-type **AWM+TEW** 105°C 600 V
- **Minimum bending radius**
fixed installation 5x core Ø
flexible 10x core Ø

Cable structure

- Stranded copper conductor, tinned to UL-Std.758 with AWG dimensions
- AWG-sizes as per table below
- Core insulation of PVC
heat and damp resistant to class 43 and CSA-C22.2 No. 210 UL VW-1 and CSA FT1, acc. to UL-Std.1581
- For structural reasons, constructive changes are possible

Properties

• Conditionally resistant to

- Oils
- Solvents
- Acids
- Lyes
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant, test method to UL VW-1, CSA FT1

Note

- Please complete the part number for these cables by adding the suffix for the colour required as per the list:
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 predictive tubes and flexible pipes and also for motors and transformers. UL bzw. CSA:

AWM = **A**pliance **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 electrical installation of machine tools and the relative control.

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

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

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

Part no.	No. cores x cross-sec. mm ²	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	2,5	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 ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. 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 203	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)