

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 - 20 = 5 kV
AWG 18 - 10 = 6 kV
from AWG 8 = 7,5 kV
- UL type **AWM+MTW** 105°C 600 V
- CSA type **AWM+TEW** 105°C 600 V
- **Minimum bending radius**
flexible 10x core Ø
fixed installation 5x core Ø

Cable structure

- Tinned copper conductor, acc. to UL Std.758 with AWG dimensions
- 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
- AWG 24 without MTW

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

- PVC self-extinguishing and flame retardant, test method 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)

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 = 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 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	2,6	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 ²	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)