

TECHNICAL DATA SHEET 2023-160

AWM STYLE 1015 105°C/600V FLEX

FLEXIBLE SINGLE CORE CABLES, HEAT RESISTANT PVC INSULATED

 indicative drawing	1- Multistranded flexible tin coated annealed copper rope 2- Special PVC HT Compound UL1581 Class 50.182 ; IEC 60227-1 Type PVC/E
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Standard	Approvals	Packaging
UL 758 CSA c.22.2 No. 210 AWM STYLE 1015	IEC 60227-3 (where applicable) EN 50525-2-31 (where applicable) 	 

Marking
E212324 "size" AWG 600 V (Logo cURus) AWM STYLE 1015 105°C VW-1 AWM I A/B 105°C 600V FT1

CHARACTERISTICS	
Applications: Internal wiring of appliances; For indoor installation, fixed laying on bare walls or steel structures, in pipes or ducts, or in signal and control panels, switchgear etc. Flame retardant, according to IEC60332-1-2; UL VW-1 and CSA FT1	
Insulation colors:	Various on request
Surface operating temperature: (fixed and protected installation)	-30°C ÷ +105°C (UL, CSA) -30°C ÷ +90°C (IEC, EN)
Minimum installation temperature :	+5°C (Acc.to HD 516)
Minimum bending radius:	Fixed installation: 4 x outer Ø During installation: 8 x outer Ø
Rated voltage:	600 V a.c. or 750 V d.c. (UL, CSA) ; 2500 V peak - for electronic use only. 450/750 V a.c. or 600/1000 V d.c. (IEC, EN)
Test voltage:	3000 V a.c. (UL, CSA) 2500 V a.c. (IEC, EN)
Max. temperature in case of short circuit:	160° C on the conductor (max duration 5 seconds)

TYPE	Size		Nominal conductor construction	Insulation Thickness		Outer diameter	Max cond. resistance at 20° C	Indicative weight
AWM	mm ²	AWG	# wires X Ø mm	mm	Mils	mm	Ohms/km	Kg/Km
1015	10	8	7x11x0,4	1,14	45	6,7 ^{±0,2}	1,95	120
	16	6	7x17x0,4	1,52	60	8,5 ^{±0,2}	1,24	190
	25	4	7x26x0,4			9,7 ^{±0,2}	0,795	280
	35	2	10x26x0,4			11,0 ^{±0,3}	0,5548 *	380
	50	1	14x26x0,4	2,03	80	13,4 ^{±0,3}	0,393	540
	70	2/0	14x24x0,5			15,1 ^{±0,4}	0,2766 *	740
	95	3/0	19x24x0,5			16,7 ^{±0,4}	0,210	970
	120	4/0	24x24x0,5			18,6 ^{±0,5}	0,164	1220
	150	250 kcmil	30x24x0,5	2,41	95	21,1 ^{±0,5}	0,132	1520
	185	350 kcmil	36x24x0,5			22,6 ^{±0,5}	0,108	1800
	240	450 kcmil	48x24x0,5			25,0 ^{±0,5}	0,0817	2360

*: UL 1581 Reference