

EXLON-PVC Series

# EXLON-PVC UL Tubing



Printing on the tubing For 300 V **○ -F- E56036 IWASE AH-3 CSA PVC 105C VW-1**

For 600 V **○ -F- E56036 IWASE AH-6 CSA PVC 105C VW-1**



EXLON-PVC UL tubing designed for electric insulation are produced based on UL standards and CSA standards and have excellent heat resistance, non-flammability and environmental resistance.

Details of standards that the UL Tubing complies with			
Category	UL224	CSA C22.2	Electrical Appliance and Material Safety Act
Certification number	E 56036	LR 33763	—
Temperature rating	105°C		—
Voltage rating	300V (AH-3) • 600V (AH-6)		—
Flammability rating	VW-1		-F-

Table of tubing characteristics				
Items	Standard value(UL/CSA)	Performance value	Test method and other aspects	
Tensile strength (MPa)	10.4 or more	17.0 or more		
Extension (%)	100 or more	250 or more		
Dielectric strength	2,500 V 1 minute or more	10,000 V 1 minute or more	136°C 7 days	
After heat aging	Tensile strength	7.4 MPa or more		15.0 MPa or more
	Elongation(%)	100% or more		200% or more
	Dielectric voltage	2,500 V 1 minute or more		10,000 V 1 minute or more
	Copper stability	Elongation 100% or more		Elongation 200% or more
Flexibility	No crack or permanent deformation	No abnormality		
Volume resistivity	10 <sup>10</sup> Ω-cm or more	10 <sup>12</sup> Ω-cm or more		
Flammability	VW-1	VW-1		
Cold bend	No crack	No crack	-30°C 1 hour	
Longitudinal change (%)	±5	4.0 or less	100°C 2 hours	

\* The data above are representative values and not guaranteed values.

\* Recommended temperature range: -20°C to 105°C

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Standard size chart						
Size	Inner diameter (mm)	Inner diameter tolerance (mm)	Standard wall(thickness) (mm)		Unit length (m)	
			AH-6 (600V)	AH-3 (300V)		
AWG 24	0.55	±0.1	0.60	0.40	300	
22	0.65	±0.1	0.60	0.40	300	
20	0.85	±0.1	0.60	0.40	300	
19	0.9	±0.1	0.60	0.40	300	
18	1.0	±0.15	0.60	0.40	300	
17	1.2	±0.15	0.62	0.40	300	
16	1.3	±0.15	0.62	0.40	300	
15	1.5	±0.15	0.62	0.40	300	
14	1.7	±0.15	0.62	0.40	300	
13	1.9	±0.2	0.62	0.40	300	
12	2.1	±0.2	0.62	0.40	300	
11	2.4	±0.2	0.62	0.40	300	
10	2.7	±0.2	0.62	0.50	300	
9	3.0	±0.25	0.62	0.50	300	
8	3.3	±0.25	0.62	0.50	300	
7	3.7	±0.25	0.62	0.50	300	
6	4.2	±0.3	0.62	0.50	300	
5	4.7	±0.3	0.62	0.50	300	
4	5.3	±0.3	0.62	0.50	300	
3	5.9	±0.3	0.62	0.50	300	
2	6.6	±0.3	0.62	0.50	200	
1	7.4	±0.35	0.62	0.50	200	
0	8.3	±0.35	0.62	0.50	200	
5/16"	8.0	±0.35	0.62		200	
6/16"	9.5	±0.35	0.62		200	
7/16"	11.1	±0.35	0.68		200	
8/16"	12.7	±0.35	0.68		200	
9/16"	14.3	±0.4	0.80		100	
10/16"	16.0	±0.4	0.80		100	
12/16"	19.0	±0.4	0.90		100	
14/16"	22.0	+0.7、-0.5	0.90		50	
16/16"	25.0	+0.7、-0.5	0.90		50	
1-1/16"	27.0	+0.7、-0.5	1.00		50	
1-1/4"	32.0	+1.0、-0.5	1.05		50	
1-1/2"	38.0	+1.0、-0.5	1.20		50	
1-3/4"	44.0	+1.5、-1.0	1.40		50	
16/8"	50.0	+1.5、-1.0	1.50		50	

- Transparent/Black is the standard color for the tubing. Other colors (red, blue, yellow, gray, brown, white, green, and orange) can be produced when orders are received.
- We also welcome orders for tubes with other colors, special sizes, and pipes cut in various lengths.



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