



Chongqing Hi-Sea Marine Equipment Import & Export Co.,Ltd.

重庆海盛船舶设备进出口有限公司

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PVC insulation Wire

PVC insulation Wire Application

PVC insulation Wire for general purpose internal wiring of electronic and electrical equipment.

PVC insulation Wire Service Condition

- 1)Rated voltage: 450/750V, Rated temperature:70°C
- 2)Stranded, tinned bare copper conductor, 1.5-120mm²
- 3)Color-coded PVC insulation
- 4)Passes GB 18380.1vertical flame test
- 5)Uniform insulation thickness of wire to ensure easy stripping and cutting
- 6)Resistant to acids,Alkaline,oils,moisture and fungi ,conforming RoHS

PVC insulation Wire Specification

227 IEC 01(BV) 70°C 450/750V										
Conductor Type	Conductor			Insulation			20°C Max Resistance at 20°C	70°C Min Insulation Resistance at 70°C	Dielectric Strength AC 5 min	Standard Length
	Nom. Area	Strand/Diameter	Diameter	Nom. Thick.	Nom. Dia.	Max. Dia				
	AWG	No./mm	mm	mm	mm	mm	Ω/Km	MΩ.Km	V	M
Solid conductor	1.5	1/1.38	1.38	0.7	2.78	3.3	12.1	0.011	2500	300
	2.5	1/1.78	1.78	0.8	3.38	3.9	7.41	0.010		
	4	1/2.24	2.24	0.8	3.84	4.4	4.61	0.0085		
	6	1/2.76	2.76	0.8	4.36	4.9	3.08	0.0070		200
	10	1/3.56	3.56	1.0	5.56	6.4	1.83	0.0070		
	1.5	7/0.524	1.57	0.7	2.97	3.4	12.1	0.010	2500	100
	2.5	7/0.674	2.02	0.7	2.97	4.2	7.41	0.009		
	4	7/0.85	2.55	0.8	3.62	4.8	4.61	0.0077		

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Stranded Conductor	6	7/1.04	3.12	0.8	4.72	5.4	3.08	0.0065	50
	10	7/1.35	4.05	1.0	6.05	6.8	1.83	0.0065	
	16	7/1.70	5.10	1.0	7.1	8.0	1.15	0.0050	
	25	7/2.13	6.39	1.2	8.79	9.8	0.727	0.0040	
	35	7/2.52	7.56	1.2	9.96	11.0	0.524	0.0045	
	50	19/1.82	9.15	1.4	11.95	13.0	0.387	0.0035	
	70	19/2.16	10.8	1.4	13.6	15.0	0.268	0.0035	
	95	19/2.52	12.6	1.6	15.8	17.0	0.193	0.0035	
	120	37/2.03	14.21	1.6	17.41	19.0	0.153	0.0032	