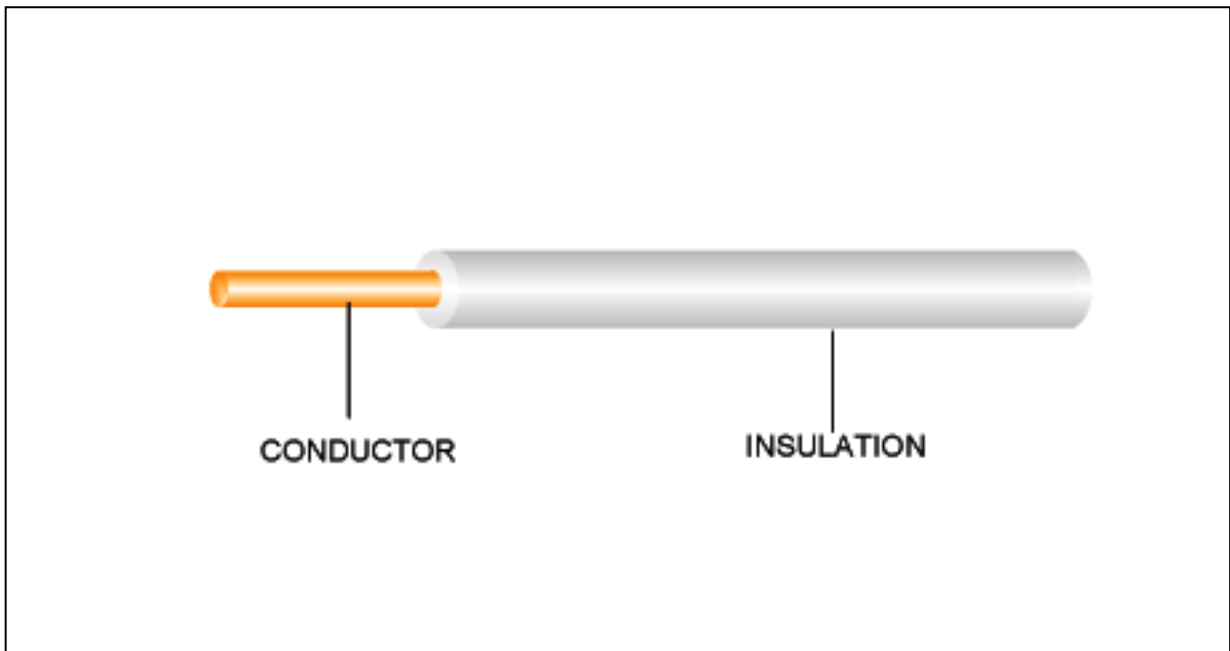


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## IV

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### 300 V 70 °C PVC INSULATED, SINGLE CORE



### CABLE STRUCTURE

<b>CONDUCTOR</b>	: Solid and stranded annealed copper, Sizes 0.5 mm <sup>2</sup> up to 500 mm <sup>2</sup>
<b>INSULATION</b>	: PVC, Any color
<b>CLASSIFICATION</b>	: Maximum <b>conductor</b> temperature 70 °C Circuit Voltage not exceeding 300 volts
<b>TESTING VOLTAGE</b>	: 2,000 volts
<b>REFERENCE</b>	: TIS 11-2531, Table 1



## IV

**TIS 11-2531  
TABLE 1**

Nominal Cross Section area (mm <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation Thickness (mm)	Max. overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
0.5	1/0.80	0.6	2.6	0.0146	8	9	100/C
1	1/1.13	0.6	2.9	0.0115	12	14	100/C
1	7/0.43	0.6	3.1	0.0110	12	15	100/C
1.5	1/1.38	0.6	3.2	0.0100	16	19	100/C
1.5	7/0.53	0.6	3.4	0.0094	16	21	100/C
2.5	1/1.78	0.7	3.8	0.0092	23	31	100/C
2.5	7/0.67	0.7	4.1	0.0084	23	32	100/C
4	1/2.25	0.8	4.5	0.0086	31	47	100/C
4	7/0.85	0.8	4.9	0.0078	31	50	100/C
6	7/1.04	0.8	5.6	0.0066	42	70	100/C
10	7/1.35	1.0	7.0	0.0064	61	120	100/C
16	7/1.70	1.0	8.2	0.0053	83	180	100/C
25	7/2.14	1.2	10.0	0.0051	113	280	100/C
35	19/1.53	1.2	11.5	0.0043	141	370	100/C
50	19/1.78	1.4	13.0	0.0044	175	500	500/D
70	19/2.14	1.4	15.0	0.0037	221	700	500/D
95	19/2.52	1.6	17.5	0.0036	275	1,000	500/D
120	37/2.03	1.6	19.0	0.0032	321	1,200	500/D
150	37/2.25	1.8	21.5	0.0033	368	1,500	500/D

C: Packing in coil.  
D: Packing in drum.