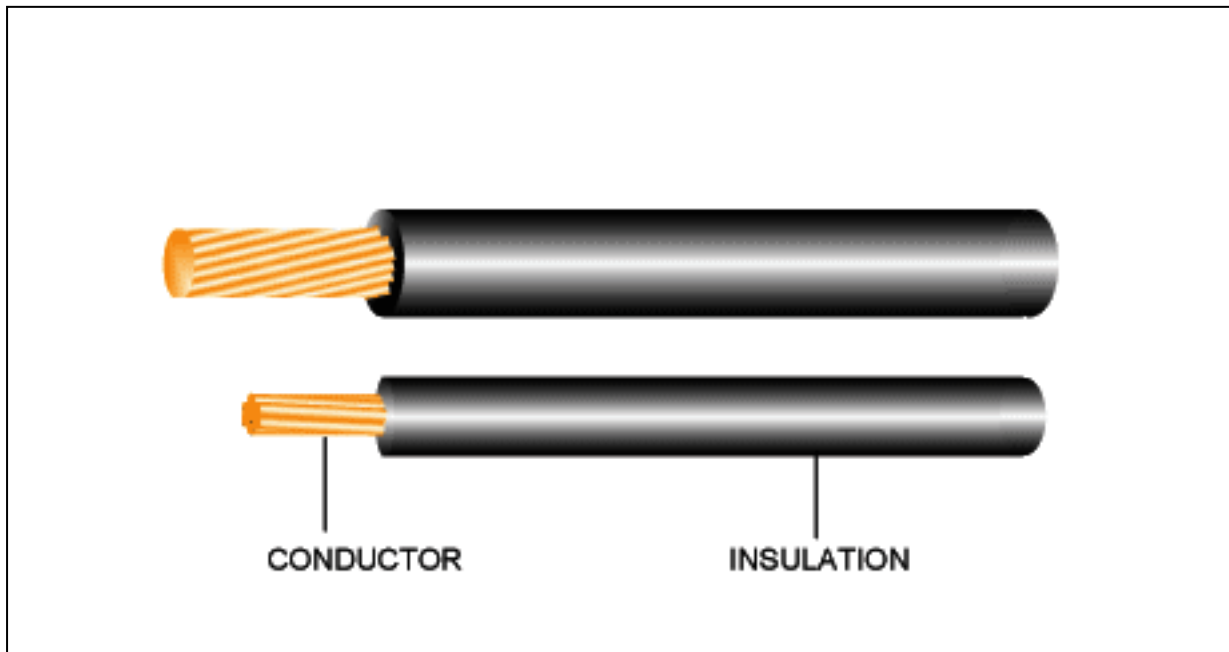


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# THW, MEA TYPE A

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750 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 conductor temperature 70 °C Circuit voltage not exceeding 750 volts
<b>TESTING VOLTAGE</b>	: 2,500 volts
<b>REFERENCE</b>	: TIS 11-2531, Table 4



# THW, MEA TYPE A

TIS 11-2531  
TABLE 4

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	0.8	3.0	0.0175	9	11	100/C
1	1 / 1.13	0.8	3.3	0.0141	13	17	100/C
1	7 / 0.43	0.8	3.5	0.0135	13	18	100/C
1.5	1 / 1.38	0.8	3.6	0.0123	17	22	100/C
1.5	7 / 0.53	0.8	3.8	0.0116	17	24	100/C
2.5	1 / 1.78	0.8	4.0	0.0102	23	32	100/C
2.5	7 / 0.67	0.8	4.3	0.0093	23	35	100/C
4	1 / 2.25	0.9	4.8	0.0094	32	49	100/C
4	7 / 0.85	0.9	5.2	0.0085	32	50	100/C
6	7 / 1.04	0.9	5.8	0.0073	43	75	100/C
10	7 / 1.35	1.1	7.2	0.0069	60	120	100/C
16	7 / 1.70	1.1	8.4	0.0057	83	180	100/C
25	7 / 2.14	1.3	10.5	0.0054	114	280	100/C
35	19 / 1.53	1.3	11.5	0.0047	141	380	100/C
50	19 / 1.78	1.5	13.5	0.0046	175	500	500/D
70	19 / 2.14	1.5	15.5	0.0039	221	700	500/D
95	19 / 2.52	1.7	18.0	0.0038	275	1,000	500/D
120	37 / 2.03	1.7	19.5	0.0034	321	1,200	500/D
150	37 / 2.25	1.9	21.5	0.0034	367	1,500	500/D
185	37 / 2.52	2.1	24.0	0.0034	424	1,900	500/D
240	61 / 2.25	2.3	27.0	0.0033	505	2,500	500/D
300	61 / 2.52	2.5	30.0	0.0032	581	3,100	500/D
400	61 / 2.85	2.7	33.5	0.0030	675	3,900	500/D
500	61 / 3.20	3.1	38.5	0.0031	781	5,000	500/D

C: Packing in coil.

D: Packing in drum.

