


60 °C LOW VOLTAGE FLEXIBLE CONDUCTOR PVC INSULATED FOR AUTOMOBILE

 TIS 118-2522


CABLE STRUCTURE

Conductor : Flexible annealed copper wire
Sizes 0.5 mm² up to 95 mm²

Insulation : Polyvinyl chloride (PVC)

Core identification
Single-cores : Any color

TECHNICAL DATA

Classification : Maximum conductor temperature 60 °C

Testing voltage : 1,000 Volts

Reference standard : TIS 118-2522

Remark:

Nowadays the wires are produced according to two kinds of Standard. But such the Ministerial Regulations shall come into force upon their publication in Government Gazette, the production must be in the way of THAI INDUSTRIAL STANDARD.

APPLICATION

For Automobile

Nominal cross sectional area	Number and diameter of wires	Conductor diameter approx.	Insulation thickness nominal	Overall diameter approx.	Conductor resistance at 20°C maximum	Continuous current rating in free air at 40°C maximum	Cable weight approx.	Standard Length
(mm ²)	(No./mm)	(mm)	(mm)	(mm)	(Ω/km)	(A)	(kg/km)	(m)
0.5	16/0.20	0.95	0.6	2.2	37.1	11	9	100/C
0.5	7/0.30	0.95	0.6	2.2	37.1	11	9	100/C
0.75	24/0.20	1.15	0.6	2.4	24.7	14	11	100/C
0.85	12/0.30	1.20	0.6	2.4	22.0	15	12	100/C
1	32/0.20	1.30	0.6	2.6	18.5	16	14	100/C
1.25	40/0.20	1.50	0.6	2.7	14.8	19	17	100/C
1.25	18/0.30	1.50	0.6	2.7	14.7	19	17	100/C
1.5	30/0.25	1.60	0.6	2.8	12.7	20	19	100/C
2	28/0.30	1.90	0.6	3.1	9.42	25	24	100/C
2.5	50/0.25	2.10	0.7	3.5	7.60	28	30	100/C
3	44/0.30	2.30	0.7	3.7	6.00	32	37	100/C
4	56/0.30	2.60	0.8	4.2	4.71	38	47	100/C
5	70/0.30	3.0	0.8	4.6	3.77	44	57	100/C
6	84/0.30	3.2	0.9	5.0	3.14	49	69	100/C
8	63/0.40	3.7	0.9	5.5	2.31	59	88	100/C
10	84/0.40	4.2	1.1	6.4	1.82	69	114	100/C
16	126/0.40	5.8	1.1	8.0	1.16	95	173	100/C
25	196/0.60	7.0	1.4	9.8	0.770	123	261	100/C
35	280/0.40	8.5	1.4	11.3	0.524	158	366	100/C
50	399/0.40	10.9	1.6	14.1	0.357	207	537	500/D
70	361/0.50	12.6	2.0	16.6	0.268	250	727	500/D
95	475/0.50	14.1	2.0	18.1	0.193	305	971	500/D

C : Packing in Coil

D : Packing in Drum