

## THHN / THWN OR MTW 600V



### Construction

Conductors:	Annealed bare solid (14-10 AWG), annealed bare stranded class C (14-2 AWG), compressed stranding class B (1 AWG - 1000 MCM) copper conductor.
Insulation:	PVC
Jacket:	Nylon

### Features

- Good resistance to moisture,
- Rated for indoor and outdoor use, UV, Sunlight and Chemical Resistant
- Durable Oil Resistant Outer Jacket
- Flame Retardant
- (UL) VW-1
- Wide operational temperature range (-80° to 120° C)
- Very low temperature flexibility
- Cable passes -50° C cold impact test

### Approvals

- UL-83
- RoHS compliant
- CSA Festoon 600V 105° C
- CESMEC E-022-01-5505

### Technical details

Temperature range:	90° (dry location), 75° C (wet or oil location)
AC Voltage Rating:	600 V

### Application

General use in commercial and industrial applications, and installations where resistance against oils and gasoline is required. May be use for power and control circuits in recognized raceways, in wet or dry locations, and in presence of gases, gasoline, and chemicals. Also suitable as machine tool and switchboard wiring.

Size AWG / MCM	Number of Strands	Conductor Area kcmil	Conductor Diameter mils	Insulation Thickness Inch	Jacket Thickness Inch	OD Inch	Cable Wt lbs/Mft
14	1 Solid	4.1	0.06	15	5	0.1	16
12	1 Solid	6.5	0.08	15	5	0.12	23
10	1 Solid	10.3	0.10	20	5	0.15	37
14	19	4.1	0.07	15	5	0.12	17
12	19	6.5	0.09	15	5	0.14	26
10	19	10.3	0.11	20	5	0.17	40
8	19	16.5	0.15	30	5	0.23	65
6	19	26.3	0.18	30	6	0.26	99
4	19	41.7	0.23	40	6	0.34	157
3	19	52.6	0.26	40	7	0.36	197
2	19	66.3	0.29	40	7	0.39	241
1	19	83.7	0.32	50	7	0.45	306
1/O	19	106	0.37	50	8	0.5	380
2/O	19	133	0.41	50	8	0.54	472
3/O	19	168	0.47	50	8	0.59	587
4/O	19	211	0.52	50	8	0.65	729
250	37		0.57	60	9	0.72	870
300	37		0.62	60	9	0.78	1033
350	37		0.67	60	9	0.83	1196
400	37		0.72	60	9	0.87	1359
500	37		0.80	60	9	0.96	1685
600	61		0.88	70	10	1.06	2023
750	61		0.98	70	10	1.15	2454
1000	61		1.14	70	10	1.27	3347