ECOLOGICAL LATINCASA

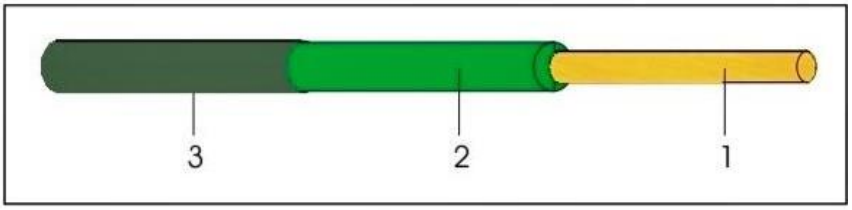
WIRE AND CABLE

THHN/THWN-2 /MTW CT-USE RoSH 90°C 600 VOLTS

39.THHN.01

DESCRIPTION

1) Annealed bare solid (14-10 AWG), annealed bare stranded class C concentric round (14-2 AWG), compressed stranding class B (1 AWG - 1000 MCM) copper conductor.
2) Polyvinyl chloride (PVC insulation)
3) Nylon overall protective jacket.



APPLICATION

General use in commercial and industrial construction, and installations where resistance against oils and gasoline is required. May be used 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 switchtboard wiring.

MAXIMUM OPERATING VOLTAGE
600 volts

MAXIMUM CONDUCTOR TEMPERATURE

Dry locations (THHN)	90°C
Dry and wet locations (THWN)	90°C
In oil (Gasoline and Oil resistant II)	75°C

FEATURES

1) Good resistance to moisture, heat, oil, gasoline, chemicals and grease.
2) Suitable for installation where thermal overload exists.
3) Strict quality control during manufacturing process.
4) Flame retardant, UL listed as VW-I.
5) Smooth nylon jacket aids in easier pulling.
6) Superior abrasion and mechanical properties.
7) Sizes 1/0 and larger are marked "For CT use", and are approved for installation cable trays. Sunlight resistant in Accordance with NEC Article 318, IIEE 1202 and ULFT4 Flame Test

Size AWG/ kcmil	Number of Strands	Conductor Area kcmil	Conductor Diameter mils	Insulation Thickness mils	Jacket Thickness mils	Overall Diameter inch	Net Weight lb/mft
14	1 Solid	4.1	0.06	15	5	0.10	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	26.2	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
1/0	19	106	0.37	50	8	0.50	380
2/0	19	133	0.41	50	8	0.54	472
3/0	19	168	0.47	50	8	0.59	587
4/0	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

Dimension and weights shown are nominal, unless otherwise indicated, and subject to manufacturing tolerances.

SPECIFICATIONS
UL-83
CESMEC E-022-01-5505

HOW TO ORDER
VINILAT solid or stranded type
THHN or THWN-2, 600 volts, 90°C, size, color and length

NATIONAL ELECTRICAL CODE REFERENCE

Ampicities	Article 3 10-15
Conduit fill tables	Article 384
Swichboard wiring	Capter 9