

WIRES AND CABLES TYPE THHN/THWN-2/MTW 90 °C 600 V CT-SR, RoHS



Description:

- 1- Solid or stranded soft copper conductor
- 2- Polyvinyl chloride (PVC) insulation*
- 3- Nylon Jacket*

*Type THHN/THWN-2/MTW

Applications:

- Branch circuits
- Electric power distribution
- Feeders
- Service
- Street lighting
- Wiring equipment

Features:

- ----
- Easy to install
- Excellent grease resistance
- Excellent abrasion resistance
- Excellent acid resistance
- Excellent alkalis resistance
- Excellent atmospheric pollution resistance
- Excellent brackish environments resistance
- Excellent chemical substance resistance
- Excellent corrosion resistance
- Excellent gasoline resistance
- Excellent heat resistance
- Excellent hydrocarbon resistance
- Excellent outdoor resistance
- Excellent resistance to flame propagation
- Excellent resistance to vertical tray flame
- Excellent sunlight resistance
- Excellent tear strength resistance
- Excellent varnishes resistance
- Free of hazardous substances
- Good mechanical resistance
- Good overloads resistance
- Reduced Dimensions

Special features:

- • For use inside or outside in power, lighting and control applications. May be used in industrial plants, petrochemical facilities, gas stations, etc. Exposed to weather in wet locations.

- • This product can be installed in trays, ducts, conduit and raceways.
- • Meets vertical-tray flame test of the standard NMX-J-498 and the product is marking as CT.
- • Meets sunlight-resistant test of the standard NMX-J-553 and the product is marking as SR
- • THWN-2: Maximum operating temperature 90°C in dry and wet locations.
- • MTW: Machine-Tool Wire. It is certified by UL, file E97370-7

Standard:

- NMX-J-010-ANCE

Voltage:

- 600 V

Temperature:

- Normal 90°C
- Overload 105°C
- Short circuit 150°C

Installation type:

- Auxiliary gutters
- Cable trays
- Conduit
- Internal equipment wiring
- Surface Raceways
- Underground electrical ducts

Insulation:

- Polyvinyl chloride (PVC)

Jacket:

- Nylon

Recommendation:

- • This product cannot be installed in the assembly occupancies (where people get together) according to NOM-001-SEDE, article 518.

Quality System Certification:

- ISO 9001:2015 Quality System certified by Bureau Veritas

Order additional information:

- Vinanel Nylon RoHS THHN/THWN-2 MTW CT-SR 90 °C, 600 V cable, size, color, number of product, and total order length.

WIRES AND CABLES TYPE THHN/THWN-2/MTW 90 °C 600 V CT-SR, RoHS



Number of Product	Size (AWG/kcmil)	Total Cross Section Area (mm2)	Conductor Number of Wires	Nominal Conductor Diameter (in)	Nominal Insulation thickness, the first layer (mils)	Nominal Insulation thickness, the second layer (mils)	Nominal Overall Diameter (in)	Nominal cable weight (lb/1000ft)	Packaging	Length	Color	Voltage (V)
NC1402M207	14	2.08	1	0.06	14.96	3.94	0.10	16	Caja	100 m	Rojo	600
NC1404M207	14	2.08	1	0.06	14.96	3.94	0.10	16	Caja	100 m	Amarillo	600
NC1405M207	14	2.08	1	0.06	14.96	3.94	0.10	16	Caja	100 m	Verde	600
NC1406M207	14	2.08	1	0.06	14.96	3.94	0.10	16	Caja	100 m	Azul	600
NC1409M207	14	2.08	1	0.06	14.96	3.94	0.10	16	Caja	100 m	Bianco	600
NC1413L207	14	2.08	19	0.07	14.96	3.94	0.11	17	Caja	100 m	Naranja	600
3007044	14	2.08	1	0.06	14.96	3.94	0.10	16	Caja	100 m	Negro	600
3007122	14	2.08	19	0.07	14.96	3.94	0.11	17	CARRETE	1000 m	Negro	600
3007139	14	2.08	19	0.07	14.96	3.94	0.11	17	Caja	100 m	Rojo	600
3007141	14	2.08	19	0.07	14.96	3.94	0.11	17	CARRETE	1000 m	Rojo	600
3007157	14	2.08	19	0.07	14.96	3.94	0.11	17	Caja	100 m	Amarillo	600
3007159	14	2.08	19	0.07	14.96	3.94	0.11	17	CARRETE	1000 m	Amarillo	600
3007171	14	2.08	19	0.07	14.96	3.94	0.11	17	Caja	100 m	Verde	600
3007173	14	2.08	19	0.07	14.96	3.94	0.11	17	CARRETE	1000 m	Verde	600
3007187	14	2.08	19	0.07	14.96	3.94	0.11	17	CARRETE	1000 m	Azul	600
3007208	14	2.08	19	0.07	14.96	3.94	0.11	17	Caja	100 m	Bianco	600
3007210	14	2.08	19	0.07	14.96	3.94	0.11	17	CARRETE	1000 m	Bianco	600
3007120	14	2.08	19	0.07	14.96	3.94	0.11	17	Caja	100 m	Negro	600
3007185	14	2.08	19	0.07	14.96	3.94	0.11	17	Caja	100 m	Azul	600
3006971	12	3.31	19	0.09	14.96	3.94	0.13	25	CARRETE	1000 m	Naranja	600
3006937	12	3.31	19	0.09	14.96	3.94	0.13	25	Caja	100 m	Negro	600
3006939	12	3.31	19	0.09	14.96	3.94	0.13	25	CARRETE	1000 m	Negro	600
3006946	12	3.31	19	0.09	14.96	3.94	0.13	25	Caja	100 m	Cafe	600

WIRES AND CABLES TYPE THHN/THWN-2/MTW 90 °C 600 V CT-SR,

RoHS



Number of Product	Size (AWG/kcmil)	Total Cross Section Area (mm2)	Conductor Number of Wires	Nominal Conductor Diameter (in)	Nominal Insulation thickness, the first layer (mils)	Nominal Insulation thickness, the second layer (mils)	Nominal Overall Diameter (in)	Nominal cable weight (lb/1000ft)	Packaging	Length	Color	Voltage (V)
3006948	12	3.31	19	0.09	14.96	3.94	0.13	25	CARRETE	1000 m	Café	600
3006960	12	3.31	19	0.09	14.96	3.94	0.13	25	Caja	100 m	Rojo	600
3006962	12	3.31	19	0.09	14.96	3.94	0.13	25	CARRETE	1000 m	Rojo	600
3006969	12	3.31	19	0.09	14.96	3.94	0.13	25	Caja	100 m	Naranja	600
3006981	12	3.31	19	0.09	14.96	3.94	0.13	25	Caja	100 m	Amarillo	600
3006983	12	3.31	19	0.09	14.96	3.94	0.13	25	CARRETE	1000 m	Amarillo	600
3006994	12	3.31	19	0.09	14.96	3.94	0.13	25	Caja	100 m	Verde	600
3006996	12	3.31	19	0.09	14.96	3.94	0.13	25	CARRETE	1000 m	Verde	600
3007007	12	3.31	19	0.09	14.96	3.94	0.13	25	Caja	100 m	Azul	600
3007009	12	3.31	19	0.09	14.96	3.94	0.13	25	CARRETE	1000 m	Azul	600
3007017	12	3.31	19	0.09	14.96	3.94	0.13	25	Caja	100 m	Gris	600
3007019	12	3.31	19	0.09	14.96	3.94	0.13	25	CARRETE	1000 m	Gris	600
3007032	12	3.31	19	0.09	14.96	3.94	0.13	25	Caja	100 m	Blanco	600
3007034	12	3.31	19	0.09	14.96	3.94	0.13	25	CARRETE	1000 m	Blanco	600
NC1200M207	12	3.31	1	0.08	14.96	3.94	0.12	23	Caja	100 m	Negro	600
NC1200M610	12	3.31	1	0.08	14.96	3.94	0.12	23	Caja	100 m	Blanco	600
NC1202M207	12	3.31	1	0.08	14.96	3.94	0.12	23	Caja	100 m	Rojo	600
NC1204M207	12	3.31	1	0.08	14.96	3.94	0.12	23	Caja	100 m	Amarillo	600
NC1205M207	12	3.31	1	0.08	14.96	3.94	0.12	23	Caja	100 m	Verde	600
NC1206M207	12	3.31	1	0.08	14.96	3.94	0.12	23	Caja	100 m	Azul	600
NC1000M207	10	5.26	1	0.10	20.08	3.94	0.15	38	Caja	100 m	Negro	600
NC1002M207	10	5.26	1	0.10	20.08	3.94	0.15	38	Caja	100 m	Rojo	600

WIRES AND CABLES TYPE THHN/THWN-2/MTW 90 °C 600 V CT-SR, RoHS



Number of Product	Size (AWG/kcmil)	Total Cross Section Area (mm2)	Conductor Number of Wires	Nominal Conductor Diameter (in)	Nominal Insulation thickness, the first layer (mils)	Nominal Insulation thickness, the second layer (mils)	Nominal Overall Diameter (in)	Nominal cable weight (lb/1000ft)	Packaging	Length	Color	Voltage (V)
NC1004M207	10	5.26	1	0.10	20.08	3.94	0.15	38	Caja	100 m	Amarillo	600
NC1005M207	10	5.26	1	0.10	20.08	3.94	0.15	38	Caja	100 m	Verde	600
NC1006M207	10	5.26	1	0.10	20.08	3.94	0.15	38	Caja	100 m	Azul	600
NC1009M207	10	5.26	1	0.10	20.08	3.94	0.15	38	Caja	100 m	Blanco	600
3006788	10	5.26	19	0.11	20.08	3.94	0.16	39	Caja	100 m	Verde	600
3006790	10	5.26	19	0.11	20.08	3.94	0.16	39	CARRETE	1000 m	Verde	600
3006801	10	5.26	19	0.11	20.08	3.94	0.16	39	Caja	100 m	Azul	600
3006735	10	5.26	19	0.11	20.08	3.94	0.16	39	Caja	100 m	Negro	600
3006737	10	5.26	19	0.11	20.08	3.94	0.16	39	CARRETE	1000 m	Negro	600
3006743	10	5.26	19	0.11	20.08	3.94	0.16	39	Caja	100 m	Café	600
3006745	10	5.26	19	0.11	20.08	3.94	0.16	39	CARRETE	1000 m	Café	600
3006755	10	5.26	19	0.11	20.08	3.94	0.16	39	Caja	100 m	Rojo	600
3006763	10	5.26	19	0.11	20.08	3.94	0.16	39	Caja	100 m	Naranja	600
3006765	10	5.26	19	0.11	20.08	3.94	0.16	39	CARRETE	1000 m	Naranja	600
3006775	10	5.26	19	0.11	20.08	3.94	0.16	39	Caja	100 m	Amarillo	600
3006777	10	5.26	19	0.11	20.08	3.94	0.16	39	CARRETE	1000 m	Amarillo	600
3006811	10	5.26	19	0.11	20.08	3.94	0.16	39	Caja	100 m	Gris	600
3006813	10	5.26	19	0.11	20.08	3.94	0.16	39	CARRETE	1000 m	Gris	600
3006824	10	5.26	19	0.11	20.08	3.94	0.16	39	Caja	100 m	Blanco	600
3006826	10	5.26	19	0.11	20.08	3.94	0.16	39	CARRETE	1000 m	Blanco	600
3006757	10	5.26	19	0.11	20.08	3.94	0.16	39	CARRETE	1000 m	Rojo	600
3006803	10	5.26	19	0.11	20.08	3.94	0.16	39	CARRETE	1000 m	Azul	600

WIRES AND CABLES TYPE THHN/THWN-2/MTW 90 °C 600 V CT-SR, RoHS



Number of Product	Size (AWG/kcmil)	Total Cross Section Area (mm2)	Conductor Number of Wires	Nominal Conductor Diameter (in)	Nominal Insulation thickness, the first layer (mils)	Nominal Insulation thickness, the second layer (mils)	Nominal Overall Diameter (in)	Nominal cable weight (lb/1000ft)	Packaging	Length	Color	Voltage (V)
NC0814L207	8	8.37	19	0.15	29.92	5.12	0.22	64	Caja	100 m	Amarillo	600
NC0800M207	8	8.37	1	0.13	29.92	5.12	0.20	61	Caja	100 m	Negro	600
NC0802M207	8	8.37	1	0.13	29.92	5.12	0.20	61	Caja	100 m	Rojo	600
NC0804L207	8	8.37	1	0.13	29.92	5.12	0.20	61	Caja	100 m	Amarillo	600
NC0805M207	8	8.37	1	0.13	29.92	5.12	0.20	61	Caja	100 m	Verde	600
NC0806M207	8	8.37	1	0.13	29.92	5.12	0.20	61	Caja	100 m	Azul	600
NC0809M207	8	8.37	1	0.13	29.92	5.12	0.20	61	Caja	100 m	Bianco	600
3006524	8	8.37	19	0.15	29.92	5.12	0.22	64	Caja	100 m	Negro	600
3006526	8	8.37	19	0.15	29.92	5.12	0.22	64	CARRETE	1000 m	Negro	600
3006548	8	8.37	19	0.15	29.92	5.12	0.22	64	Caja	100 m	Rojo	600
3006550	8	8.37	19	0.15	29.92	5.12	0.22	64	CARRETE	1000 m	Rojo	600
3006574	8	8.37	19	0.15	29.92	5.12	0.22	64	CARRETE	1000 m	Amarillo	600
3006586	8	8.37	19	0.15	29.92	5.12	0.22	64	Caja	100 m	Verde	600
3006588	8	8.37	19	0.15	29.92	5.12	0.22	64	CARRETE	1000 m	Verde	600
3006600	8	8.37	19	0.15	29.92	5.12	0.22	64	Caja	100 m	Azul	600
3006602	8	8.37	19	0.15	29.92	5.12	0.22	64	CARRETE	1000 m	Azul	600
3006623	8	8.37	19	0.15	29.92	5.12	0.22	64	Caja	100 m	Bianco	600
3006625	8	8.37	19	0.15	29.92	5.12	0.22	64	CARRETE	1000 m	Bianco	600
3006396	6	13.30	19	0.18	29.92	5.12	0.25	97	CARRETE	1000 m	Rojo	600
3006423	6	13.30	19	0.18	29.92	5.12	0.25	97	Rollo	100 m	Verde	600
3006425	6	13.30	19	0.18	29.92	5.12	0.25	97	CARRETE	1000 m	Verde	600
3006436	6	13.30	19	0.18	29.92	5.12	0.25	97	Rollo	100 m	Azul	600

**WIRES AND CABLES TYPE THHN/THWN-2/MTW 90 °C 600 V CT-SR,
RoHS**



Number of Product	Size (AWG/kcmil)	Total Cross Section Area (mm2)	Conductor Number of Wires	Nominal Conductor Diameter (in)	Nominal Insulation thickness, the first layer (mils)	Nominal Insulation thickness, the second layer (mils)	Nominal Overall Diameter (in)	Nominal cable weight (lb/1000ft)	Packaging	Length	Color	Voltage (V)
3006438	6	13.30	19	0.18	29.92	5.12	0.25	97	CARRETE	1000 m	Azul	600
3006454	6	13.30	19	0.18	29.92	5.12	0.25	97	Rollo	100 m	Bianco	600
3006456	6	13.30	19	0.18	29.92	5.12	0.25	97	CARRETE	1000 m	Bianco	600
3006394	6	13.30	19	0.18	29.92	5.12	0.25	97	Rollo	100 m	Rojo	600
3006378	6	13.30	19	0.18	29.92	5.12	0.25	97	Rollo	100 m	Negro	600
3006380	6	13.30	19	0.18	29.92	5.12	0.25	97	CARRETE	1000 m	Negro	600
3006318	4	21.20	19	0.23	40.16	5.91	0.32	154	Rollo	100 m	Rojo	600
NC0416L107	4	21.20	19	0.23	40.16	5.91	0.32	154	Rollo	100 m	Azul	600
NC0416L457	4	21.20	19	0.23	40.16	5.91	0.32	154	CARRETE	1000 m	Azul	600
3006307	4	21.20	19	0.23	40.16	5.91	0.32	154	Rollo	100 m	Negro	600
3006309	4	21.20	19	0.23	40.16	5.91	0.32	154	CARRETE	1000 m	Negro	600
3006320	4	21.20	19	0.23	40.16	5.91	0.32	154	CARRETE	1000 m	Rojo	600
3006338	4	21.20	19	0.23	40.16	5.91	0.32	154	Rollo	100 m	Verde	600
3006340	4	21.20	19	0.23	40.16	5.91	0.32	154	CARRETE	1000 m	Verde	600
3006380	4	21.20	19	0.23	40.16	5.91	0.32	154	Rollo	100 m	Bianco	600
3006382	4	21.20	19	0.23	40.16	5.91	0.32	154	CARRETE	1000 m	Bianco	600
3006230	2	33.60	19	0.29	40.16	5.91	0.38	237	Rollo	100 m	Negro	600
3006232	2	33.60	19	0.29	40.16	5.91	0.38	237	CARRETE	1000 m	Negro	600
3006240	2	33.60	19	0.29	40.16	5.91	0.38	237	Rollo	100 m	Rojo	600
3006242	2	33.60	19	0.29	40.16	5.91	0.38	237	CARRETE	1000 m	Rojo	600
3006258	2	33.60	19	0.29	40.16	5.91	0.38	237	Rollo	100 m	Verde	600
3006260	2	33.60	19	0.29	40.16	5.91	0.38	237	CARRETE	1000 m	Verde	600

**WIRES AND CABLES TYPE THHN/THWN-2/MTW 90 °C 600 V CT-SR,
RoHS**



Number of Product	Size (AWG/kcmil)	Total Cross Section Area (mm2)	Conductor Number of Wires	Nominal Conductor Diameter (in)	Nominal Insulation thickness, the first layer (mils)	Nominal Insulation thickness, the second layer (mils)	Nominal Overall Diameter (in)	Nominal cable weight (lb/1000ft)	Packaging	Length	Color	Voltage (V)
3006279	2	33.80	19	0.29	40.16	5.91	0.38	237	Rollo	100 m	Blanco	600
3006281	2	33.80	19	0.29	40.16	5.91	0.38	237	CARRETE	1000 m	Blanco	600
3007227	1/0	53.50	19	0.36	50.00	7.09	0.48	376	CARRETE	500 m	Negro	600
3007226	1/0	53.50	19	0.36	50.00	7.09	0.48	376	Rollo	100 m	Negro	600
3007260	2/0	67.40	19	0.41	50.00	7.09	0.52	466	CARRETE	500 m	Negro	600
3007259	2/0	67.40	19	0.41	50.00	7.09	0.52	466	Rollo	100 m	Negro	600
3007304	3/0	85.00	19	0.46	50.00	7.09	0.57	580	Rollo	100 m	Negro	600
3007305	3/0	85.00	19	0.46	50.00	7.09	0.57	580	CARRETE	500 m	Negro	600
3007328	4/0	107.00	19	0.51	50.00	7.09	0.63	723	Rollo	100 m	Negro	600
3007329	4/0	107.00	19	0.51	50.00	7.09	0.63	723	CARRETE	500 m	Negro	600
3007247	250	127.00	37	0.56	59.84	7.87	0.70	860	CARRETE	500 m	Negro	600
NC3010L421	300	152.00	37	0.61	59.84	7.87	0.75	1 022	CARRETE	500 m	Negro	600
3007292	350	177.00	37	0.66	59.84	7.87	0.80	1 184	CARRETE	500 m	Negro	600
3007316	400	203.00	37	0.70	59.84	7.87	0.84	1 346	CARRETE	500 m	Negro	600
3007345	500	253.00	37	0.79	59.84	7.87	0.93	1 668	CARRETE	500 m	Negro	600
3007363	750	380.00	61	0.97	70.08	9.06	1.13	2 487	CARRETE	1000 m	Negro	600
3007363	750	380.00	61	0.97	70.08	9.06	1.13	2 487	CARRETE	500 m	Negro	600
NC0010L435	1000	507.00	61	1.12	70.08	9.06	1.28	3 287	CARRETE	500 m	Negro	600

**WIRES AND CABLES TYPE THHN/THWN-2/MTW 90 °C 600 V CT-SR,
RoHS**



Notes:

- For constructions different from the one shown please get in contact with our Technical Assistance Department.

- Data is subject to normal manufacturing tolerances.

*This is not a stock product. Delivery possible in specific lengths