



**LATINCASA**

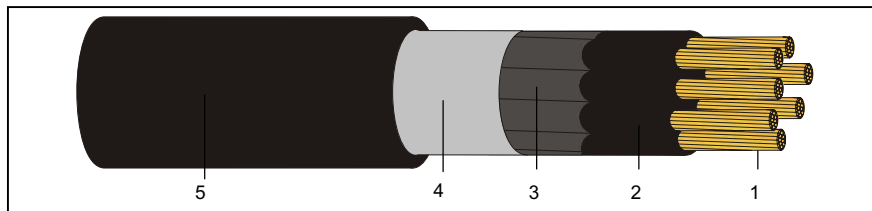


# POWER CABLE TYPE TC THHN/THWN 600 VOLTS

07.CIR.01

## DESCRIPTION

- 1) Annealed bare Class C concentric strand copper conductors.
- 2) Polyvinyl Chloride (PVC) thermoplastic insulation.
- 3) Nylon protective covering.
- 4) Binder tape over core.
- 5) Overall flame retardant PVC jacket.



## APPLICATION

Condumex Type TC cable may be used for power, lighting, control, signal and communication circuits, in raceways, direct burial in earth, or in messenger. Type TC cable may be used in wet or dry locations and in the presence of oil and most chemicals in accordance with the National Electrical Code

## MAXIMUM OPERATING VOLTAGE

600 volts

## MAXIMUM CONDUCTOR TEMPERATURE

Wet or Dry                      75° C  
Dry                                    90° C

## FEATURES

- 1) UL listed for direct burial.
- 2) Flame retardant, (passes UL 1277, 70,000 BTU flame test.
- 3) Sunlight resistant; can be installed outdoors.
- 4) UL listed as Type TC for power and control tray cable used in accordance with the National Electrical Code.
- 5) PVC jacket is UL rated 90° C and listed Oil Resistant I.
- 6) Acceptable for Class I, Division 2, Hazardous Location Applications. Type TX offers substantial cost savings over the previously required metallic sheathed cables.
- 7) Circuit identification; color coded per ICEA S-73-532 (table E-2 or Method S/B 4.)
- 7a) Other color coding methods are available, based on ICEA S-73-532

## SPECIFICATIONS

UL 1277 and UL 83

## HOW TO ORDER

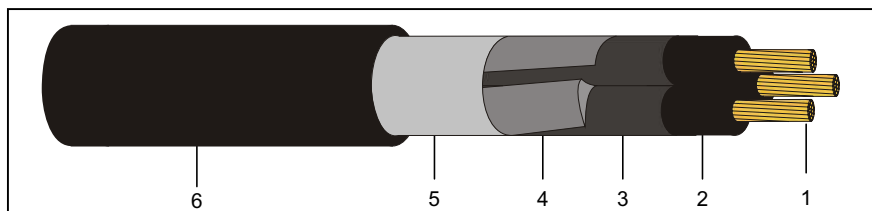
Condumex Tray Cable Type TC/THHN, 600 volts, number and size of conductors.

Size AWG	Number of Strands	Number of Conductors	Jacket Thickness mils	Overall Diameter inches	Net Weight lb/Mft
		2	45	0.34	68
		3	45	0.36	87
		4	45	0.40	109
14	19	5	45	0.43	130
		7	45	0.46	167
		9	60	0.56	234
		12	60	0.63	285
		16	60	0.67	335
		2	45	0.38	90
		3	45	0.40	119
		4	45	0.43	154
		5	45	0.46	173
12	19	7	60	0.55	247
		9	60	0.64	326
		12	60	0.71	400
		16	60	0.76	485
		2	45	0.45	139
		3	45	0.47	180
		4	60	0.55	247
10	19	5	60	0.60	178
		7	60	0.65	367
		9	60	0.75	480
		12	80	0.89	637

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

## DESCRIPTION

- 1) Annealed bare Class C (8-2 AWG) compressed stranded Class B (1/0 AWG-750 kcmil) copper conductors.
- 2) Polyvinyl Chloride thermoplastic insulation
- 3) Nylon protective covering.
- 4) Fillers
- 5) Binder tape over core
- 6) Overall flame retardant PVC jacket.



## APPLICATION

Conduflex Type TC cable may be used for power, lighting, control, signal and communication circuits, in raceways, direct cable may be used in wet or dry locations and in the presence of oil and most chemicals in accordance with the National Electrical Code.

## MAXIMUM OPERATING VOLTAGE

600 volts

## MAXIMUM CONDUCTOR TEMPERATURE

Wet or Dry 75° C  
Dry 90° C

## FEATURES

- 1) UL listed for direct burial.
- 2) Flame retardant, (passes UL 1277, 70,000 BTU flame test.)
- 3) Sunlight resistant; can be installed outdoors.
- 4) UL listed as Type TC for power and control tray cable use in accordance with the National Electrical Code.
- 5) PVC jacket is UL rated 90° C and listed Oil Resistant I.
- 6) Acceptable for Class I, Division 2, Hazardous Location Applications. Type TC offers substantial cost savings over the previously required metallic sheathed cables.
- 7) Circuit identification; color coded per ICEA S-73-532 (table E-2 or Method S/B 4.)
- 7a) Other color coding methods are available, based on ICEA S-73-532

Size AWG/kcmil	Number of Conductors	Ground Conductor AWG	Insulation Thickness mils	Jacket Thickness mils	Overall Diameter inch	Net Weight lb/Mft
8	3	10	30/5	60	0.638	338
6	3	8	30/5	60	0.698	448
4	3	6	40/7	80	0.884	693
2	3	6	40/7	80	1.015	1012
1/0	3	6	50/8	80	1.223	1495
2/0	3	6	50/8	80	1.320	1858
3/0	3	4	50/8	80	1.428	2297
4/0	3	4	50/8	80	1.549	2791
250	3	4	60/9	80	1.760	3374
350	3	3	60/9	110	1.980	4526
500	3	2	60/9	110	2.260	6230
750	3	1	70/10	110	2.967	8845
1/0	4	6	50/8	80	1.350	1913
2/0	4	6	50/8	80	1.457	2311
4/0	4	4	50/8	110	1.773	3597
350	4	3	60/9	110	2.188	5754
500	4	2	60/9	110	2.502	8018
750	4	1	70/10	140	3.057	11716

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

## SPECIFICATIONS

UL 1277 and UL 83 (UL)

## HOW TO ORDER

Conduflex Tray Cable Type TC/THHN,  
600 volts, number and size of conductors.