

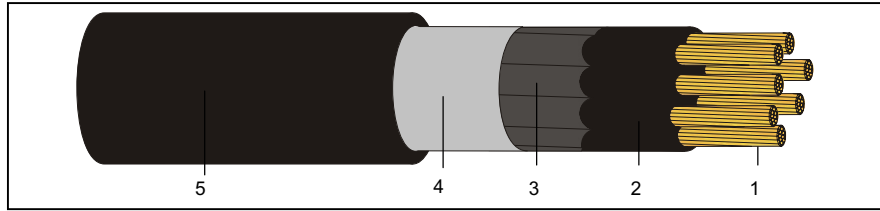


# POWER CABLE TYPE TC THHN/THWN 600 VOLTS

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
- 8) "ER" Listed per UL 1277

## SPECIFICATIONS

UL 1277 , UL 83 and ER Approved



## 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	Overall Diameter	Net Weight
			mils	inches	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.