



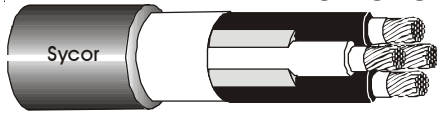
**SYCOR**  
TECHNOLOGY INC.

## Tray Cable

Type TC - Composite (Power & Control)

90°C Dry/75°C Wet, 600 Volts

3 Power and 4 or 6 Control Conductors



### CONSTRUCTION:

Three power conductors (12, 10, 8, 6, 4 or 2 AWG), 4 or 6 control conductors (14 or 12 AWG) soft annealed bare copper, concentric stranded, class B

### TEMPERATURE RATING:

75°C - Wet, 90°C - Dry

### VOLTAGE RATING:

600 Volts

### INSULATION:

High dielectric Polyvinyl chloride with nylon sheath

### JACKET:

Gas/vapor tight Polyvinyl Chloride  
Black

### APPLICATION:

UL listed and OSHA acceptable. Recognized for use in Class 1 or 2, Division 2 hazardous locations and for installation in trays, wireways, troughs, channels, ducts and conduit. Specifically approved for direct burial, wet or dry locations and outdoors in cable trays where a sunlight resistant rating is required. Designed to supply power and control signals to motors, or to provide connection to other power devices utilizing remote control circuits.

### APPROVALS:

UL listed  
OSHA acceptable

### SCOPE:

This specification covers multiconductor composite cables having THHN/THWN(PVC/Nylon) conductors with an overall gas/vapor tight Polyvinyl chloride(PVC) jacket; conforming to Article 318 "Cable Trays" and Article 340 "Power and Control Cable Type TC" of the 1990 National Electrical Code and standard 1277 of Underwriter's Laboratories Inc. Meets the requirements of the 70,000 BTU "Cable Tray Propagation Test" per IEEE-383 and shows reserve capabilities by also passing the 210,000 BTU flame test.

Sycor Part Number	# of Cond. Power	# of Cond. Control	Nom. Jack. Thick.	Nom. O.D.	Approx Weight Lbs./Mf
TC12031404	3/12AWG	4/14AWG	.045"	.475"	192
TC10031404	3/10AWG	4/14AWG	.060"	.545"	265
TC08031404	3/8AWG	4/14AWG	.060"	.675"	356
TC06031404	3/6AWG	4/14AWG	.060"	.725"	458
TC04031404	3/4AWG	4/14AWG	.080"	.935"	702
TC02031404	3/2AWG	4/14AWG	.080"	1.02"	982
TC12031406	3/12AWG	6/14AWG	.045"	.505"	252
TC10031406	3/10AWG	6/14AWG	.060"	.615"	307
TC08031406	3/8AWG	6/14AWG	.060"	.695"	416
TC06031406	3/6AWG	6/14AWG	.060"	.785"	475
TC04031406	3/4AWG	6/14AWG	.080"	.905"	711
TC02031406	3/2AWG	6/14AWG	.080"	1.00"	1000
TC10031204	3/10AWG	4/12AWG	.060"	.585"	281
TC08031204	3/8AWG	4/12AWG	.060"	.715"	392
TC06031204	3/6AWG	4/12AWG	.060"	.750"	507
TC04031204	3/4AWG	4/12AWG	.080"	.935"	735
TC02031204	3/2AWG	4/12AWG	.080"	1.02"	1030
TC10031206	3/10AWG	6/12AWG	.060"	.625"	348
TC08031206	3/8AWG	6/12AWG	.060"	.695"	446
TC06031206	3/6AWG	6/12AWG	.060"	.775"	572
TC04031206	3/4AWG	6/12AWG	.080"	.885"	776
TC02031206	3/2AWG	6/12AWG	.080"	1.01"	1052

**Sycor Technology Inc.** Advance Wire and Cable Division

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