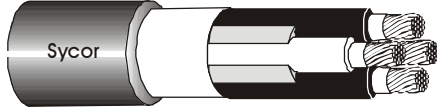




**SYCOR**  
TECHNOLOGY INC.

## Tray Cable

Type TC - Power Cable w/Ground  
90°C Dry/75°C Wet, 600 Volts



### CONSTRUCTION:

Conductors are soft annealed bare copper, insulation is Polyvinyl chloride with a nylon sheath, conductors are cabled with PVC fillers as needed. Two conductor cables are assembled in a parallel construction. The cable has an overall Gas/vapor tight black Polyvinyl chloride jacket.

### 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 for supply power to motors, or for connection to other power devices.

### APPROVALS:

UL listed  
OSHA acceptable

### SCOPE:

This specification covers 2,3 or 4 conductor cables having THHN/THWN conductors, one uninsulated ground wire and an overall gas/vapor tight Polyvinyl chloride 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 the Underwriters Laboratories Inc. Meets the requirements of ICEA T-29-520 flame tests as well as the 70,000 BTU "Cable Tray Propagation Test per IEEE-83.

Sycor Part Number	# of Con	Awg/ Strand	Grnd	Insu	Nylon Sheat	Nom Jack Thick	Nom. O.D.	Approx Weight Lbs./Mf
TC0802G	2	8X7/.0486	10X7	.030"	.005"	.060"	.567"	248
TC0803G	3	8X7/.0486	10X7	.030"	.005"	.060"	.600"	315
TC0804G	4	8X7/.0486	10X7	.030"	.005"	.060"	.658"	384
TC0602G	2	6X7/.0612	8X7	.030"	.005"	.060"	.645"	350
TC0603G	3	6X7/.0612	8X7	.030"	.005"	.060"	.684"	451
TC0604G	4	6X7/.0612	8X7	.030"	.005"	.060"	.752"	557
TC0402G	2	4X7/.0772	8X7	.040"	.006"	.080"	.787"	485
TC0403G	3	4X7/.0772	8X7	.040"	.006"	.080"	.876"	704
TC0404G	4	4X7/.0772	8X7	.040"	.006"	.080"	.963"	879
TC0202G	2	2X7/.0974	6X7	.040"	.006"	.080"	.947"	757
TC0203G	3	2X7/.0974	6X7	.040"	.006"	.080"	1.005"	1029
TC0204G	4	2X7/.0974	6X7	.040"	.006"	.080"	1.107"	1287
TC0102G	2	1X19/.0664	6X7	.050"	.007"	.080"	1.075"	914
TC0103G	3	1X19/.0664	6X7	.050"	.007"	.080"	1.143"	1203
TC0104G	4	1X19/.0664	6X7	.050"	.007"	.080"	1.261"	1643
TC1/002G	2	1/0X19/.0745	6X7	.050"	.007"	.080"	1.157"	1180
TC1/003G	3	1/0X19/.0745	6X7	.050"	.007"	.080"	1.231"	1517
TC1/004G	4	1/0X19/.0745	6X7	.050"	.007"	.080"	1.360"	1931
TC2/002G	2	2/0X19/.0837	6X7	.050"	.007"	.080"	1.247"	1409
TC2/003G	3	2/0X19/.0837	6X7	.050"	.007"	.080"	1.328"	1831
TC2/004G	4	2/0X19/.0837	6X7	.050"	.007"	.080"	1.469"	2426
TC3/002G	2	3/0X19/.0940	4X7	.050"	.007"	.080"	1.347"	1748
TC3/003G	3	3/0X19/.0940	4X7	.050"	.007"	.080"	1.436"	2249
TC3/004G	4	3/0X19/.0940	4X7	.050"	.007"	.080"	1.589"	2879
TC4/002G	2	4/0X19/.1055	4X7	.050"	.007"	.080"	1.459"	2091
TC4/003G	3	4/0X19/.1055	4X7	.050"	.007"	.080"	1.556"	2739
TC4/004G	4	4/0X19/.1055	4X7	.050"	.007"	.110"	1.784"	3609
TC25002G	2	250X37/.0822	4X7	.060"	.008"	.080"	1.595"	3025
TC25003G	3	250X37/.0822	4X7	.060"	.008"	.110"	1.762"	3319
TC25004G	4	250X37/.0822	4X7	.060"	.008"	.110"	1.945"	4248
TC30002G	2	300X37/.0900	3X7	.060"	.008"	.110"	1.761"	2774
TC30003G	3	300X37/.0900	3X7	.060"	.008"	.110"	1.876"	4084
TC30004G	4	300X37/.0900	3X7	.060"	.008"	.110"	2.076"	5177
TC35002G	2	350X37/.0973	3X7	.060"	.008"	.110"	1.861"	3365
TC35003G	3	350X37/.0973	3X7	.060"	.008"	.110"	1.983"	4315
TC35004G	4	350X37/.0973	3X7	.060"	.008"	.110"	2.196"	5695
TC40002G	2	400X37/.1040	3X7	.060"	.008"	.110"	1.951"	3473
TC40003G	3	400X37/.1040	3X7	.060"	.008"	.110"	2.080"	4945
TC40004G	4	400X37/.1040	3X7	.060"	.008"	.110"	2.305"	6443
TC50002G	2	500X37/.1162	2X7	.060"	.008"	.110"	2.117"	4234
TC50003G	3	500X37/.1162	2X7	.060"	.008"	.110"	2.259"	6185
TC50004G	4	500X37/.1162	2X7	.060"	.008"	.110"	2.505"	7873

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

2455 Milltower Court, Mississauga, Ontario L5N 5Z6 Phone: (905) 821-3591, Fax: (905) 821-7260