

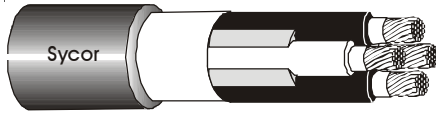


**SYCOR**  
TECHNOLOGY INC.

## Tray Cable

### Type TC - Power Cable

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 with 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.	Insul.	Nylon Sheat	Nom. Jack. Thick.	Nom. O.D.	Approx Weight Lbs./Mf
TC0802FL	2	8X7/.0486	.030"	.005"	.060"	.345X.567"	180
TC0802RD	2	8X7/.0486	.030"	.005"	.060"	.567"	216
TC0803	3	8X7/.0486	.030"	.005"	.060"	.600"	283
TC0804	4	8X7/.0486	.030"	.005"	.060"	.658"	352
TC0602FL	2	6X7/.0612	.030"	.005"	.060"	.384X.645"	255
TC0602RD	2	6X7/.0612	.030"	.005"	.060"	.645"	299
TC0603	3	6X7/.0612	.030"	.005"	.060"	.684"	400
TC0604	4	6X7/.0612	.030"	.005"	.060"	.752"	506
TC0402FL	2	4X7/.0772	.040"	.006"	.060"	.455X.787"	419
TC0402RD	2	4X7/.0772	.040"	.006"	.060"	.787"	434
TC0403	3	4X7/.0772	.040"	.006"	.080"	.876"	653
TC0404	4	4X7/.0772	.040"	.006"	.080"	.963"	828
TC0202FL	2	2X7/.0974	.040"	.006"	.080"	.555X.947"	587
TC0202RD	2	2X7/.0974	.040"	.006"	.080"	.947"	676
TC0203	3	2X7/.0974	.040"	.006"	.080"	1.005"	948
TC0204	4	2X7/.0974	.040"	.006"	.080"	1.107"	1206
TC0102FL	2	1X19/.0664	.050"	.007"	.080"	.619X1.08"	789
TC0102RD	2	1X19/.0664	.050"	.007"	.080"	1.075"	833
TC0103	3	1X19/.0664	.050"	.007"	.080"	1.143"	1122
TC0104	4	1X19/.0664	.050"	.007"	.080"	1.261"	1562
TC1/002FL	2	1/0X19/.0745	.050"	.007"	.080"	.660X1.16"	957
TC1/002RD	2	1/0X19/.0745	.050"	.007"	.080"	1.157"	1099
TC1/003	3	1/0X19/.0745	.050"	.007"	.080"	1.231"	1436
TC1/004	4	1/0X19/.0745	.050"	.007"	.080"	1.360"	1850
TC2/002FL	2	2/0X19/.0837	.050"	.007"	.080"	.705X1.25"	1141
TC2/002RD	2	2/0X19/.0837	.050"	.007"	.080"	1.247"	1328
TC2/003	3	2/0X19/.0837	.050"	.007"	.080"	1.328"	1750
TC2/004	4	2/0X19/.0837	.050"	.007"	.080"	1.469"	2345
TC3/002FL	2	3/0X19/.0940	.050"	.007"	.080"	.755X1.35"	1384
TC3/002RD	2	3/0X19/.0940	.050"	.007"	.080"	1.347"	1619
TC3/003	3	3/0X19/.0940	.050"	.007"	.080"	1.436"	2120
TC3/004	4	3/0X19/.0940	.050"	.007"	.080"	1.589"	2750
TC4/002FL	2	4/0X19/.1055	.050"	.007"	.080"	.811X1.46"	1691
TC4/002RD	2	4/0X19/.1055	.050"	.007"	.080"	1.459"	1962
TC4/003	3	4/0X19/.1055	.050"	.007"	.080"	1.556"	2610
TC4/004	4	4/0X19/.1055	.050"	.007"	.110"	1.784"	3480
TC25002	2	250X37/.0822	.060"	.008"	.080"	1.595"	2896
TC25003	3	250X37/.0822	.060"	.008"	.110"	1.762"	3190
TC25004	4	250X37/.0822	.060"	.008"	.110"	1.945"	4119
TC30002	2	300X37/.0900	.060"	.008"	.110"	1.761"	2609
TC30003	3	300X37/.0900	.060"	.008"	.110"	1.876"	3919
TC30004	4	300X37/.0900	.060"	.008"	.110"	2.076"	5012
TC35002	2	350X37/.0973	.060"	.008"	.110"	1.861"	3200
TC35003	3	350X37/.0973	.060"	.008"	.110"	1.983"	4150
TC35004	4	350X37/.0973	.060"	.008"	.110"	2.196"	5530
TC40002	2	400X37/.1040	.060"	.008"	.110"	1.951"	3308
TC40003	3	400X37/.1040	.060"	.008"	.110"	2.080"	4780
TC40004	4	400X37/.1040	.060"	.008"	.110"	2.305"	6278
TC50002	2	500X37/.1162	.060"	.008"	.110"	2.117"	4029
TC50003	3	500X37/.1162	.060"	.008"	.110"	2.259"	5980
TC50004	4	500X37/.1162	.060"	.008"	.110"	2.505"	7668

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

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