



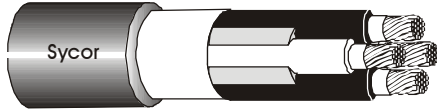
**SYCOR**

TECHNOLOGY INC.

## Tray Cable

Type TC - Control or Instrumentation 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 control, power, lighting, telemetering, signals and relay or traffic control.

### APPROVALS:

UL listed  
OSHA acceptable

### SCOPE:

This specification covers multiconductor cables having TFFN or VW-1 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
TC1802FL	2	18X16/30	.015"	.004"	.045"	.184x.275"	41
TC1803	3	18X16/30	.015"	.004"	.045"	.288"	50
TC1804	4	18X16/30	.015"	.004"	.045"	.312"	60
TC1805	5	18X16/30	.015"	.004"	.045"	.338"	71
TC1807	7	18X16/30	.015"	.004"	.045"	.366"	89
TC1809	9	18X16/30	.015"	.004"	.045"	.420"	112
TC1812	12	18X16/30	.015"	.004"	.045"	.461"	156
TC1815	15	18X16/30	.015"	.004"	.045"	.507"	169
TC1819	19	18X16/30	.015"	.004"	.060"	.578"	220
TC1825	25	18X16/30	.015"	.004"	.060"	.651"	279
TC1837	37	18X16/30	.015"	.004"	.060"	.760"	390
TC1602FL	2	16X19/29	.015"	.004"	.045"	.190x.290"	49
TC1603	3	16X19/29	.015"	.004"	.045"	.305"	66
TC1604	4	16X19/29	.015"	.004"	.045"	.335"	79
TC1605	5	16X19/29	.015"	.004"	.045"	.360"	94
TC1607	7	16X19/29	.015"	.004"	.045"	.390"	118
TC1609	9	16X19/29	.015"	.004"	.045"	.455"	147
TC1612	12	16X19/29	.015"	.004"	.045"	.495"	202
TC1615	15	16X19/29	.015"	.004"	.060"	.575"	243
TC1619	19	16X19/29	.015"	.004"	.060"	.620"	296
TC1625	25	16X19/29	.015"	.004"	.060"	.705"	379
TC1630	30	16X19/29	.015"	.004"	.060"	.760"	456
TC1637	37	16X19/29	.015"	.004"	.080"	.820"	580
TC1402FL	2	14X7/22	.015"	.004"	.045"	.208x.323"	64
TC1403	3	14X7/22	.015"	.004"	.045"	.340"	87
TC1404	4	14X7/22	.015"	.004"	.045"	.370"	107
TC1405	5	14X7/22	.015"	.004"	.045"	.403"	129
TC1407	7	14X7/22	.015"	.004"	.045"	.438"	162
TC1409	9	14X7/22	.015"	.004"	.045"	.508"	221
TC1412	12	14X7/22	.015"	.004"	.060"	.588"	281
TC1415	15	14X7/22	.015"	.004"	.060"	.646"	340
TC1419	19	14X7/22	.015"	.004"	.060"	.698"	408
TC1425	25	14X7/22	.015"	.004"	.060"	.791"	526
TC1430	30	14X7/22	.015"	.004"	.080"	.899"	666
TC1437	37	14X7/22	.015"	.004"	.080"	.968"	794
TC1202FL	2	12X7/20	.015"	.004"	.045"	.277x.361"	83
TC1203	3	12X7/20	.015"	.004"	.045"	.381"	113
TC1204	4	12X7/20	.015"	.004"	.045"	.415"	145
TC1205	5	12X7/20	.015"	.004"	.045"	.454"	175
TC1206	6	12X7/20	.015"	.004"	.045"	.495"	199
TC1207	7	12X7/20	.015"	.004"	.045"	.495"	223
TC1209	9	12X7/20	.015"	.004"	.060"	.606"	304
TC1212	12	12X7/20	.015"	.004"	.060"	.665"	388
TC1215	15	12X7/20	.015"	.004"	.060"	.732"	466
TC1219	19	12X7/20	.015"	.004"	.060"	.793"	581
TC1225	25	12X7/20	.015"	.004"	.080"	.941"	796
TC1230	30	12X7/20	.015"	.004"	.080"	1.02"	938
TC1237	37	12X7/20	.015"	.004"	.080"	1.10"	1134
TC1002FL	2	10X7/18	.020"	.004"	.045"	.262x.431"	115
TC1003	3	10X7/18	.020"	.004"	.045"	.456"	167
TC1004	4	10X7/18	.020"	.004"	.045"	.500"	212
TC1005	5	10X7/18	.020"	.004"	.060"	.579"	269
TC1007	7	10X7/18	.020"	.004"	.060"	.630"	352
TC1009	9	10X7/18	.020"	.004"	.060"	.733"	445
TC1012	12	10X7/18	.020"	.004"	.060"	.807"	579

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