



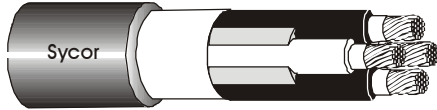
**SYCOR**

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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