

# T10 1000 SERIES SEMIFLEX CABLE

TIMES FIBER COMMUNICATIONS, INC.®  
1-800-677-2288

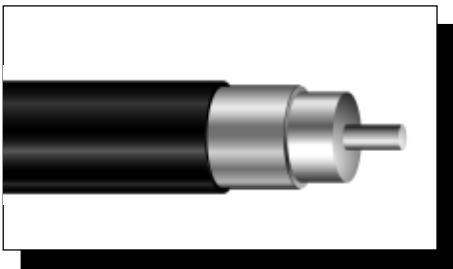


## PART NUMBERS

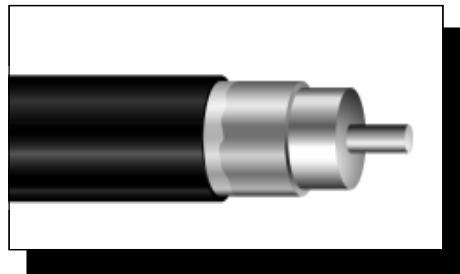
| CONSTRUCTION  | CENTER CONDUCTOR     |           |
|---|----------------------|-----------|
|   | Copper-Clad Aluminum |           |
|   | Part Number          | MI Number |
| Unjacketed  | T101000              | 24900     |
| Unjacketed, Tracer Coded  | T101000VI            | 24910     |
| Jacketed  | T101000J             | 24901     |
| Jacketed, Extra Thick Jacket                                    | T101000JX            | 24906     |
| Jacketed, Extra Thick Jacket, Tracer Coded                      | T101000JXVI          | 24916     |
| Jacketed, Tracer Coded  | T101000JVI           | 24911     |
| Jacketed Messengered  | —                    | —         |
| Jacketed Flooded, Underground                                   | T101000JB            | 24902     |
| Jacketed Flooded, Underground, Extra Thick Jacket               | T101000JBX           | 24907     |
| Jacketed Flooded, Underground, Extra Thick Jacket, Tracer Coded | T101000JBXVI         | 24917     |
| Jacketed Flooded, Underground, Tracer Coded                     | T101000JBVI          | 24912     |
| Jacketed Flooded, Aerial*                                       | T101000JBF           | 24904     |
| Jacketed Flooded, Aerial, * Tracer Coded                        | T101000JBFVI         | 24914     |
| Jacketed Armored  | T101000JBA           | 24903     |
| Jacketed Armored, Tracer Coded                                  | T101000JBAVI         | 24913     |
| NEC - Article 820, CATV (UL) Listed, Unjacketed                 | T101000V             | 24900V    |

\*Used for aerial applications due to non-flowing, non-dripping compound.

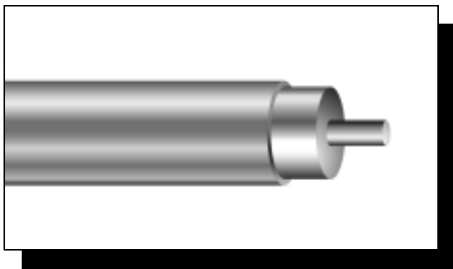
**Note:** Standard colored tracer stripes are red, yellow, green, blue, white, and slate. For other color combinations, please contact a customer service representative or your area sales representative.



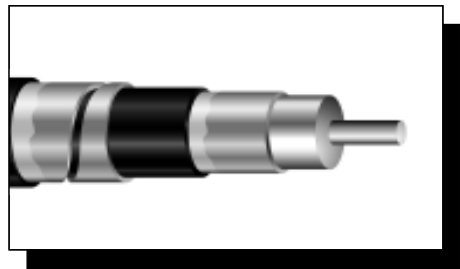
Jacketed



Jacketed Burial



Unjacketed



Armored



# 1000 SERIES SEMIFLEX CABLE

# T10

## PHYSICAL SPECIFICATIONS

| NOMINAL DIMENSIONS                                       | UNJACKETED* |        | JACKETED |        | EXTRA THICK JACKET |        | JACKETED BURIAL |        | EXTRA THICK JACKETED BURIAL |        | ARMORED  |        |
|--|-------------|--------|----------|--------|--------------------|--------|-----------------|--------|-----------------------------|--------|----------|--------|
|  | inches      | (mm)   | inches   | (mm)   | inches             | (mm)   | inches          | (mm)   | inches                      | (mm)   | inches   | (mm)   |
| Conductor  | 0.220       | (5.59) | 0.220    | (5.59) | 0.220              | (5.59) | 0.220           | (5.59) | 0.220                       | (5.59) | 0.220    | (5.59) |
| Dielectric   | 0.890       | (22.6) | 0.890    | (22.6) | 0.890              | (22.6) | 0.890           | (22.6) | 0.890                       | (22.6) | 0.890    | (22.6) |
| Outer Conductor Thickness                                | 0.055       | (1.40) | 0.055    | (1.40) | 0.055              | (1.40) | 0.055           | (1.40) | 0.055                       | (1.40) | 0.055    | (1.40) |
| Outer Conductor Diameter                                 | 1.000       | (25.4) | 1.000    | (25.4) | 1.000              | (25.4) | 1.000           | (25.4) | 1.000                       | (25.4) | 1.000    | (25.4) |
| First Jacket   | —           | —      | 1.080    | (27.4) | 1.130              | (28.7) | 1.090           | (27.7) | 1.140                       | (29.0) | 1.090    | (27.7) |
| Messenger  | —           | —      | —        | —      | —                  | —      | —               | —      | —                           | —      | —        | —      |
| Armor  | —           | —      | —        | —      | —                  | —      | —               | —      | —                           | —      | 1.110    | (28.2) |
| Second Jacket  | —           | —      | —        | —      | —                  | —      | —               | —      | —                           | —      | 1.210    | (30.7) |
| Nominal Weight (lb/1000 ft) (kg/km)                      | 323         | (481)  | 377      | (561)  | 412                | (613)  | 384             | (571)  | 420                         | (625)  | 563      | (838)  |
| Nominal Weight (per reel) lb (kg)                        | 1049        | (476)  | 1201     | (545)  | 1286               | (583)  | 1217            | (552)  | 1303                        | (591)  | 1826     | (828)  |
| Nominal Length (per reel) feet (m)                       | 2300        | (701)  | 2300     | (701)  | 2300               | (701)  | 2300            | (701)  | 2300                        | (701)  | 2300     | (701)  |
| Maximum Pull Force lbf (N)                               | 1300        | (5783) | 1300     | (5783) | 1300               | (5783) | 1300            | (5783) | 1300                        | (5783) | 1300     | (5783) |
| Minimum Bend Radius in (mm)                              | 9.0         | (229)  | 8.0      | (203)  | 8.0                | (203)  | 9.0             | (229)  | 9.0                         | (229)  | 16.9     | (429)  |
| Messenger Break Strength lbf (N)                         | —           | —      | —        | —      | —                  | —      | —               | —      | —                           | —      | —        | —      |
| Reel Size (inches)<br>(Flange x Width) <sup>1</sup>      | 63 x 30     |        | 63 x 30  |        | 63 x 30            |        | 63 x 30         |        | 63 x 30                     |        | 72 x 30  |        |
| Reel Size (centimeters)<br>(Flange x Width) <sup>1</sup> | 160 x 76    |        | 160 x 76 |        | 160 x 76           |        | 160 x 76        |        | 160 x 76                    |        | 183 x 76 |        |

\* All T10 Unjacketed Cable is available rated per **NEC Article 820 - CATV** (UL).

<sup>1</sup>Width = outside flange to outside flange

## ELECTRICAL SPECIFICATIONS

| Nominal DC Resistance @ 68°F (20°C)   | Ohms per 1000          |        |
|---------------------------------------|------------------------|--------|
| Copper-Clad Aluminum Center Conductor | feet                   | meters |
| Center Conductor                      | 0.33                   | 1.08   |
| Outer Conductor                       | 0.08                   | 0.26   |
| Loop                                  | 0.41                   | 1.35   |
| <b>Nominal Capacitance</b>            | 15.6 pF/ft (51.2 pF/m) |        |
| <b>Impedance</b>                      | 75 ± 2 Ohms            |        |
| <b>Velocity of Propagation</b>        | 87% nominal            |        |

## MAXIMUM ATTENUATION @ 68°F (20°C)

| Frequency MHz | dB per 100 feet | dB per 100 meters |
|---------------|-----------------|-------------------|
| 5             | 0.08            | 0.26              |
| 55            | 0.29            | 0.95              |
| 211           | 0.58            | 1.92              |
| 250           | 0.64            | 2.11              |
| 270           | 0.67            | 2.20              |
| 300           | 0.72            | 2.36              |
| 330           | 0.76            | 2.48              |
| 350           | 0.78            | 2.56              |
| 400           | 0.84            | 2.76              |
| 450           | 0.90            | 2.95              |
| 500           | 0.96            | 3.15              |
| 550           | 1.01            | 3.31              |
| 600           | 1.06            | 3.48              |
| 750           | 1.21            | 3.97              |
| 870           | 1.33            | 4.35              |
| 1000          | 1.44            | 4.72              |

Attenuation increases with increasing temperature and decreases with decreasing temperature at the rate of 0.1% / °F (0.18% / °C)