



# TELCOFLEX® Telecom Control Wire and Cable

PVC Insulated, Lacquered Cotton Braid Jacketed Wire. For Internal Wiring of Telephone Equipment. UL listed AWM Style 1491 90°C, 600 volts VW-1. CSA listed AWM I A/B 90°C, 300 volts FT-1 (24-10 AWG only) RoHS Compliant, Lead-Free

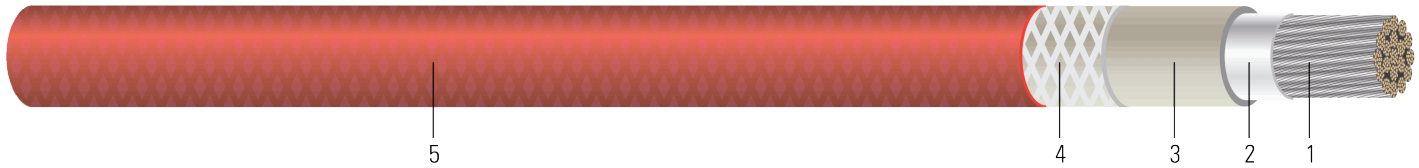


Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

- Conductor:** Solid or stranded, tin-coated copper conforming to ASTM B-33 and B-172 or B-174.
- Separator:** Separator Tape: Opaque Mylar tape
- Insulation:** 85°C rated Polyvinyl Chloride (PVC) conforming to Underwriters' Laboratories AWM Style 1491 and CSA C22.2 No. 210.2 requirements.
- Cotton Braid:** On all sizes, a lacquered cotton braid conforming to UL requirements is applied over the insulation.
- Optional Cabling or Shielding:** 2, 3, or 4 conductors may be twisted together when requested. A braided shield may be applied over 1, 2, 3, or 4 conductors with an overall lacquered cotton braid.

## APPLICATIONS AND FEATURES:

This specification covers the construction requirements for PVC insulated, cotton braided hook-up wire for internal wiring of telephone equipment. The construction of the wire and cable is in accordance with Underwriters' Laboratories Appliance Wiring Material (AWM) Style 1491.

## SPECIFICATIONS:

- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- ASTM B172 Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Copper Conductors (As Applicable)
- ASTM B174 Standard Specification for Bunch-Stranded Copper
- UL 758 Standard for Appliance Wiring Material
- CSA C22.2 No. 210 Appliance Wiring Material Products
- RoHS-3 Complies with European Directive 2015/863

**Table 1 – Physical and Electrical Data**

| Stock Number | Cond. Size    | Cond. Strands | Diameter Over Cond. | Insul. Thickness | Approx. OD | Approx. Weight | DC Resistance @ 25°C | Min Bending Radius |
|--------------|---------------|---------------|---------------------|------------------|------------|----------------|----------------------|--------------------|
|              | AWG/<br>Kcmil | strands       | inch                | mil              | inch       | lb/1000ft      | Ω/1000ft             | inch               |
| TBA          | 14            | 1             | 0.064               | 16               | 0.150      | 17             | 2.631                | 1.2                |

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item





**Table 2 - 1/C Stock Code Colors**

| Size     | Black  | Red    | Blue | White  | Brown | Orange | Yellow | Gray | Green | Purple |
|----------|--------|--------|------|--------|-------|--------|--------|------|-------|--------|
|          |        |        |      |        |       |        |        |      |       |        |
| 16 (26)  | 569734 |        |      |        |       |        |        |      |       |        |
| 14 (41)  | 569725 | 569727 |      |        |       |        |        |      |       |        |
| 10 (104) | 591433 |        |      | 569719 |       |        |        |      |       |        |

**Table 3 - Cabled Constructions**

| Stock Number | Cond. Size | Cond. Strands | Diameter Over Cond. | # of Cond. | Insul. Thickness | Cabled OD | Approx. Weight | DC Resistance @ 20°C | Color Code |
|--------------|------------|---------------|---------------------|------------|------------------|-----------|----------------|----------------------|------------|
|              | AWG        | strands       | inch                | No.        | mil              | inch      | lb/1000ft      | ohm/1000ft           |            |
| 569792       | 22         | 7             | 0.030               | 2          | 15               | 0.196     | 15             | 16.4                 | RD/BK      |
| 569743       | 18         | 1             | 0.040               | 2          | 15               | 0.216     | 21             | 6.67                 | RD/RD-BK   |
| 569737       | 16         | 1             | 0.051               | 2          | 15               | 0.237     | 28             | 4.181                | RD/BK      |
| 569738       | 16         | 26            | 0.061               | 2          | 15               | 0.256     | 29             | 4.181                | RD/BK      |
| 569739       | 16         | 26            | 0.061               | 2          | 15               | 0.256     | 29             | 4.181                | RD/RD-BK   |
| 569729       | 14         | 41            | 0.077               | 2          | 16               | 0.293     | 40             | 2.631                | RD/BK      |
| 569730       | 14         | 41            | 0.077               | 2          | 16               | 0.293     | 40             | 2.631                | RD/RD-BK   |
| 571416       | 12         | 65            | 0.092               | 2          | 17               | 0.332     | 60             | 1.661                | RD/BK      |

