

## 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

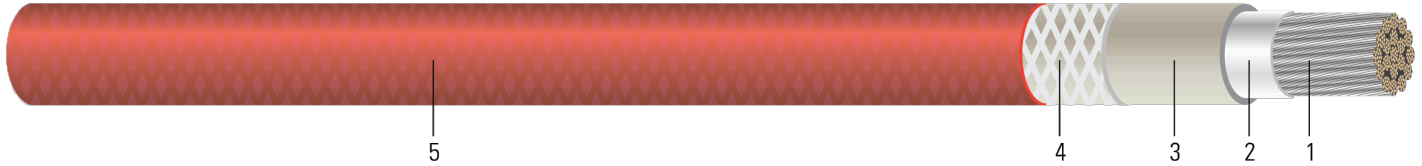


Image not to scale. See Table 1 for dimensions.

### 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 | Allowable Ampacity 75°C | Allowable Ampacity 90°C |
|--------------|---------------|---------------|---------------------|------------------|------------|----------------|----------------------|--------------------|-------------------------|-------------------------|
|              | AWG/<br>Kcmil | strands       | inch                | mil              | inch       | lb/1000ft      | Ω/1000ft             | inch               | Amp                     | Amp                     |
| 569725       | 14            | 41            | 0.073               | 15               | 0.146      | 20             | 2.814                | 1.2                | 20                      | 25                      |

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item





**Table 2 - Stock Code Colors ( / means stripe. RD/BK: Red with Black Stripe)**

| Stock Number | Size (Strand) | Cond Number | Insulation Color |
|--------------|---------------|-------------|------------------|
| 569792       | 22 (7)        | 2           | RD,BK            |
| 569743       | 18 (Solid)    | 2           | RD,RD/BK         |
| 569737       | 16 (Solid)    | 2           | RD,BK            |
| 569734       | 16 (26)       | 1           | BK               |
| 569738       | 16 (26)       | 2           | RD,BK            |
| 569739       | 16 (26)       | 2           | RD,RD/BK         |
| 569725       | 14 (41)       | 1           | BK               |
| 569729       | 14 (41)       | 2           | RD,BK            |
| 569730       | 14 (41)       | 2           | RD,RD/BK         |
| 571416       | 12 (65)       | 2           | RD,BK            |
| 591433       | 10 (104)      | 1           | BK               |

