# 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:

1. **Conductor:** Solid or stranded, tin-coated copper conforming to ASTM B-33 and B-172 or B-174.
2. **Separator:** Separator Tape: Opaque Mylar tape
3. **Insulation:** 85°C rated Polyvinyl Chloride (PVC) conforming to Underwriters' Laboratories AWM Style 1491 and CSA C22.2 No. 210.2 requirements.
4. **Cotton Braid:** On all sizes, a lacquered cotton braid conforming to UL requirements is applied over the insulation.
5. **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 | Diameter Over Insulation | Jacket Thickness | Approx. OD | Approx. Weight | DC Resistance @ 25°C | Min Bending Radius | Allowable Ampacity 75°C | Allowable Ampacity 90°C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AWG/ Kcmil | strands | inch | mil | inch | mil | inch | lb/1000ft | Ω/1000ft | inch | Amp | Amp |
| 569737 | 16 | 1 | 0.051 | 15 | 0.081 | 45 | 0.237 | 30 | 4.181 | 1.9 | - | 18 |

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.



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## 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 |


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