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

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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
	AWG/ Kcmil	strands	inch	mil	inch	mil	inch	lb/1000ft	Ω/1000ft	inch
569792	22	7	0.023	15	0.053	45	0.2	18	16.723	1.6
569743	18	1	0.04	15	0.07	45	0.216	23	6.669	1.7
569737	16	1	0.051	15	0.081	45	0.237	30	4.181	1.9
569734	16	26	0.059	15	0.089		0.128	15	4.487	1
569738	16	26	0.059	15	0.089	45	0.256	31	4.487	2
569739	16	26	0.059	15	0.089	45	0.256	30	4.487	2
569725	14	41	0.073	15	0.105		0.147	21	2.621	1.2
569729	14	41	0.073	15	0.105	45	0.293	42	2.814	2.3
569730	14	41	0.073	15	0.105	45	0.293	41	2.814	2.3
571416	12	65	0.094	15	0.128	45	0.336	62	1.774	2.7
591433	10	104	0.125	20	0.165		0.2	44	1.04	1.6

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.

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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