

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-174 or B-173.
- 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.

24 AWG to 2 AWG conform to Lucent Specification KS-13385 Issue 11

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
- CSA C22.2 No. 210 Appliance wiring material products I A/B 105°C Dry
- 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	Approx. OD	Approx. Weight	DC Resistance @ 20° C	Min Bending Radius
	AWG/ Kcmil	strands	inch	mil	inch	lb/1000ft	Ω/1000ft	inch
TBA	24	7	0.038	14	0.08	3.8	26.61	0.64
TBA	24	1	0.038	15	0.08	3.8	26.61	0.64
TBA	22	7	0.038	14	0.09	4.41	16.4	0.72
TBA	22	1	0.038	15	0.09	4.07	16.4	0.72
TBA	20	10	0.038	14	0.1	5.83	10.5	0.8
TBA	20	1	0.038	15	0.1	5.55	10.5	0.8
TBA	19	1	0.04	15	0.11	6.6	10.5	0.88
TBA	18	1	0.04	15	0.115	7.71	6.67	0.92
TBA	18	16	0.048	14	0.115	8.07	6.67	0.92
TBA	16	1	0.05	15	0.13	11	4.181	1.04
TBA	16	26	0.06	14	0.13	11.6	4.181	1.04
TBA	14	1	0.064	16	0.15	16.9	2.631	1.2
TBA	14	41	0.078	14	0.15	17.7	2.631	1.2
TBA	12	1	0.08	17	0.17	25.2	1.661	1.36
TBA	12	65	0.101	14	0.17	26.4	1.661	1.36
TBA	10	1	0.101	19	0.2	38.2	1.04	1.6
TBA	10	105	0.126	17	0.2	41.5	1.04	1.6
TBA	8	1	0.128	21	0.255	60.1	0.6526	2.04
TBA	8	168	0.157	17	0.255	64.3	0.6526	2.04
TBA	6	266	0.21	25	0.31	99	0.4109	2.48
TBA	4	420	0.272	25	0.37	155	0.258	2.96
TBA	2	665	0.338	25	0.45	237.3	0.1621	3.6

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

