

PRODUCT SPECIFICATION 12452 E

TYPE: 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

SIZE: 24 AWG to 2 AWG - One Conductor

CONFORMS TO: Lucent Specification KS-13385 Issue 11

I. SCOPE:

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.

II. CONSTRUCTION:

SIZE (AWG)	STRANDING	INSUL. WALL MIN. AVG. (MILS)	APPROX. OVERALL DIAMETER (INCHES)	APPROX. WEIGHT PER 1000 FT. (POUNDS)
24	SOLID	15	0.080	---
24	7/.008"	14	0.080	---
22	SOLID	15	0.090	4.07
22	7/.010"	14	0.090	4.41
20	SOLID	15	0.100	5.55
20	10/.010"	14	0.100	5.83
19	SOLID	15	0.110	---
18	SOLID	15	0.115	7.71
18	16/.010"	14	0.115	8.07
16	SOLID	15	0.130	11.0
16	26/.010"	14	0.130	11.6
14	SOLID	16	0.150	16.9
14	41/.010"	14	0.150	17.7
12	SOLID	17	0.170	25.2
12	65/.010"	14	0.170	26.4

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II. CONSTRUCTION (CONTINUED):

SIZE (AWG)	STRANDING	INSUL. WALL MIN. AVG. (MILS)	APPROX. OVERALL DIAMETER (INCHES)	APPROX. WEIGHT PER 1000 FT. (POUNDS)
10	SOLID	19	0.200	38.2
10	105/.010"	17	0.200	41.5
8	SOLID	21	0.255	- - -
8	7 X 24/.010"	17	0.255	64.3
6	19 X 7/.0142"	25	0.310	99.0
4	19 X 7/.0179"	25	0.370	155.0
2	19 X 35/.010"	25	0.450	237.3

A. CONDUCTORS:

Solid or stranded, tin-coated copper conforming to ASTM B-33 and B-174 or B-173.

B. INSULATION:

85°C rated Polyvinyl Chloride (PVC) conforming to Underwriters' Laboratories AWM Style 1491 and CSA C22.2 No. 210.2 requirements.

C. COVERING:

On all sizes, a lacquered cotton braid conforming to UL requirements is applied over the insulation. The colors shall be as specified on the order.

D. 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.

E. TESTING:

Physical and electrical tests in accordance with UL and CSA standards as applicable.

F. LABELS:

UL and CSA labels (as applicable) are applied on all reel tags.