AMERICAN INSULATED WIRE CORP.
PAWTUCKET, R.I.

ES- 11295

REV.	DATE	APPROV. BY	REASON
0	6/14/82	gm.	

TYPE: UL Listed AWM Style 5195 Having AWM 5036 (AF Style) Inner Covered With 10 Mil PVC Jacket

CUSTOMER: Leviton Mfg. Co.

ORDER NO: 78559 B-

[redacted]

TABLE I

Item No.	Size AWG	Stranding	Cond. Lay Max.	Cond. O.D.	Tape Width	Asbestos Wall ± .003"	Diameter Over Asbestos	Diameter Over PVC Jacket ± .003"
1	18	Solid	---	.0403"	3/8"	.030"	.108" ± .003"	.130"
2	18	7 x.0152"	.73"	.046"	3/8"	.030"	.111" ± .003"	.133"
3	18	16 x.010"	2"	.048"	3/8"	.030"	.113" ± .003"	.135"
4	16	Solid	---	.0508"	3/8"	.030"	.119" ± .003"	.141"
5	16	7 x.0192"	.92"	.058"	7/16"	.030"	.122" ± .003"	.144"
6	16	26 x.010"	2"	.060"	7/16"	.030"	.124" ± .003"	.146"
7	14	Solid	---	.0641"	7/16"	.030"	.132" ± .003"	.154"
8	14	7 x.0242"	1.1"	.073"	9/16"	.030"	.138" ± .003"	.160"
9	14	41 x.010"	2"	.078"	9/16"	.030"	.143" ± .003"	.165"
10	12	Solid	---	.0808"	9/16"	.045"	.181" ± .005"	.203"
11	12	7 x.0305"	1.4"	.092"	3/4"	.045"	.186" ± .005"	.208"
12	12	65 x.010"	2"	.101"	3/4"	.045"	.195" ± .005"	.217"
13	10	Solid	---	.1019"	3/4"	.045"	.202" ± .005"	.224"
14	10	7 x.0385"	1.8"	.116"	3/4"	.045"	.208" ± .005"	.230"
15	10	104 x.010"	2.5"	.126"	3/4"	.045"	.218" ± .005"	.240"

1. Conductor: Annealed Copper Solid or stranded, Bare or tinned. Dimensions Per Table I. L.H.L.

2. Separator: A Brown Cellulose Acetate Tape .002" shall be wrapped helically with a 50% overlap. See Table I for Width of Tape.

3. Insulation: Felted Asbestos #238, 1500 Grain Underwriters Quality shall be applied directly over the taped conductor. See TABLE I for Walls and Dimensions.

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4. Finish Over Asbestos: The insulated conductor shall be saturated with AF WAX, Colored as ordered.

NOTE: Paragraph 2, 3 & 4 shall be done in 1 operation.

5. Outer Jacket: Outer Jacket to be colored as ordered.

For 60 C use Apex 130 for standard colors and Apex 586 for Clear and metallic colors

For 105 C use Apex 842 for standard colors and Apex 716 for Clear and metallic colors

Nom. Wall: .011" ± .002"

Nom. O.D.: See Table I

NOTE: A 3-foot sample must be sent to each Q.C. Area for Inspection

6. Inspection:

Spark Test: 6000 Volts

Inner: Per UL-AWM 5036 (AF Style)

Continuity: 100%

7. Packaging: Standard Commercial Practice or as specified.

8. Tag Markings: Wire to be tagged and labelled as follows:

1. American Insulated Wire Corp.
2. Size AWG 150 C 300 Volts (1/32" Ins. 18-14AWG) or (3/64" Ins. 12-10AWG)
3. Style 5195 With 10 MIL THICK PVC JKT.
4. Appliance Wiring Material suitable for the Internal Wiring of Heating Appliances.
5. As non-enclosed visible wires other than lamp-supported lamp holders or enclosed wiring.
6. UL Appliance Wiring Material Labels equal to the footage ± 10%.

Written By: J. Medeiros

Checked By: A. Petit

Q.C. Check: M. Pacheco