

ROME EPREX-150 APPLIANCE, MOTOR & APPARATUS LEAD WIRE, 150°C, 600 VOLTS

UL Style 3340 or 3374
CSA Type CL 1254

<p>APPLICATIONS: As appliance wires exposed to temperatures not exceeding 150°C non-flexing/125°C flexing applications in air. As lead wires for coils, transformers, motors, ballasts or solenoids where high temperature operation or baking cycles are involved. Also recommended under IEEE Standards for Class 155°C as motor leads.</p> <p>STANDARDS: 1. Listed by UL as AWM Style 3340 or 3374, 150°C non-flexing 125°C flexing, 600 volts, per UL Standard 758. 2. Listed by CSA as Type CL 1254 Coil Lead Wire, 125°C, 600 volts per CSA Standard C22.2 No. 127. (Size 16-4/0 AWG)</p> <p>CONSTRUCTION: Annealed coated flexible stranded copper conductor, separator, Rome EPREX-150 EPDM insulation, surface printed.</p>		<p>The diagram shows a cross-section of the lead wire. It consists of an outer layer of EPREX-150 Insulation, a middle layer of Separator, and an inner core of Coated Copper Conductor.</p>		
Size AWG or kcmil	No. of Strands	Insulation Thickness Mils	Nominal Diameter Inches	Approx. Net Wt. lb./1000 Ft.
16	26	45	.16	17
14	41	45	.17	23
12	65	45	.19	33
10	104	60	.25	53
8	84	80	.34	95
6	84	80	.38	134
4	133	80	.43	190
2	259	80	.50	282
1	259	95	.57	360
1/0	259	95	.61	441
2/0	259	95	.66	542
3/0	259	95	.72	665
4/0	266	95	.79	826
250	259	95	.84	936
300	259	95	.90	1105
350	259	95	.96	1285
400	259	95	1.03	1450
500	259	95	1.13	1735

- NOTES: 1. Standard color is black. Other colors may be furnished on request.
2. Conductor strandings other than those indicated are available on request.
3. UL Style 3340 and 3374 are rated 600 volts ac, 750 volts dc.

Information on this sheet subject to change without notice.

Specification

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1. SCOPE

- 1.1 This specification describes single conductor wire and cable insulated with Rome EPREX-150 EPDM in sizes 16 AWG through 500 kcmil copper conductors. The wire or cable shall be suitable for operation where exposed to temperatures not exceeding 150/125°C in dry locations, at 600 volts. The product shall be listed by Underwriters Laboratories as Appliance Wiring Material (AWM), Style 3340 or 3374. It shall also be listed by Canadian Standards Association as Type CL 1254 Coil Lead Wire, 125°C in sizes 16-4/0 AWG.

2. STANDARDS

- 2.1 The following standards shall form a part of this specifications:
 - 2.1.1 UL Standard 758 for Appliance Wiring Material and CSA Standard C22.2 No. 127 for Equipment and Lead Wires.

3. CONDUCTOR

- 3.1 The conductor shall be in tin coated bunch or rope stranded copper per UL Standard 758.

4. SEPARATOR

- 4.1 A suitable separator over the conductor may be used at the option of the manufacturer.

5. INSULATION

- 5.1 The insulation shall be an extruded wall of Rome EPREX-150 EPDM (ethylene propylene rubber) meeting the physical, aging, electrical and thickness requirements specified in UL Standard 758 and CSA C22.2 No. 127 for UL Style Number 3340 or 3374 and CSA Type CL1254, as applicable.

6. IDENTIFICATION

- 6.1 The finished product shall be identified by means of surface ink printing indicating: size, voltage, insulation type, manufacturer, temperature ratings, UL and CSA designations.

7. TESTS

- 7.1 The completed wire and cable shall be tested in accordance with UL Standard 758 and CSA Standard C22.2 No.127 requirements.