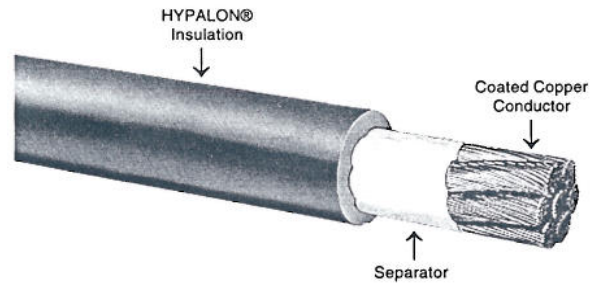


ROME HYPALON® APPLIANCE & MOTOR LEAD WIRE, 105°C

APPLICATION: As appliance wires exposed to temperatures not exceeding 105°C in air or 80°C in oil. As 105°C 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 B (130°C) motor leads.

STANDARDS: Listed by Underwriters Laboratories in accordance with UL Standard 758 and the Style numbers shown in the table below; labeled as Appliance Wiring Material. Cables are marked VW-1 signifying passage of UL's most severe vertical flame test. Approved by Canadian Standards Association as Coil Lead Wire in accordance with CSA Standard C22.2 No. 127.

CONSTRUCTION: Annealed coated flexible stranded copper conductor, separator, HYPALON® (chlorosulfonated polyethylene) insulation, surface printed.



Size AWG or kcmil	No. of Strands	Insulation Thickness Mils	Nominal Diameter Inches	Approx. Net Wt. lb./1000 Ft.	UL Style Number	CSA ⁽⁴⁾⁽⁸⁾ Type
600 VOLTS						
14	41	45	.167	25	3191	CL1053
12	65	45	.189	34	3191	CL1053
10	104	45	.213	50	3191	CL1052 ⁽⁴⁾
8	84	60	.298	88	3192	CL1052 ⁽⁴⁾
6	84	60	.340	126	3192	CL1052 ⁽⁴⁾
4	133	60	.395	184	3192	CL1052 ⁽⁴⁾
2	259	60	.457	274	3192	CL1052 ⁽⁴⁾
1	259	80	.536	358	3193	CL1052 ⁽⁴⁾
1/0	259	80	.582	436	3193	CL1052 ⁽⁴⁾
2/0	259	80	.634	541	3193	CL1052 ⁽⁴⁾
3/0	259	80	.691	666	3193	CL1052 ⁽⁴⁾
4/0	266	80	.765	826	3193	CL1052 ⁽⁴⁾
250	259	110			3309/3591	CL1053
350	259	110			3309/3591	CL1053
500	259	110			3309/3591	CL1053

- NOTES: 1. Standard color is black. Other colors may be furnished by color coating the insulation.
 2. Conductor strandings other than those indicated are available on request.
 3. Furnished in long lengths on non-returnable reels.
 4. CSA requires an additional 15 to 20 mils of insulation on conductor sizes 10 AWG through 4/0 AWG for a 600 volt CSA rating (CL 1053), therefore these sizes are rated 600 volts by UL and 300 volts by CSA (CL1052). If a 600 volt CSA rating is required it can be furnished as a special.
 5. HYPALON® is a Dupont synthetic rubber.
 6. UL Style 3191, 3192, 3193 and 3309 are rated 600 volts ac, 750 volts dc.
 7. UL Style 3591 rated 105C, 1000 volts.
 8. CSA CL1053 is rated 600 volts, CL1052 is rated 300 volts.

Information on this sheet subject to change without notice.

Specification

ROME HYPALON® APPLIANCE & MOTOR LEAD WIRE, 105°C

1. SCOPE

- 1.1 This specification describes single conductor wire and cable insulated with Rome HYPALON® in sizes 14 AWG through 500 kcmil copper conductors. The wire or cable shall be suitable for operation where exposed to temperatures not exceeding 105°C in dry locations, 80°C where exposed to oil, at 600 volts. The product shall be listed by Underwriters Laboratories as Appliance Wiring Material (AWM) and approved by Canadian Standards Association as Coil Lead Wire. The product is listed by UL as VW-1 and is listed by CSA as FT1.

2. STANDARDS

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

3. CONDUCTORS

- 3.1 Conductors shall be 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 Insulation shall be an extruded wall of HYPALON®, black in color, meeting the physical, aging, electrical and thickness requirements specified in UL Standard 758 and CSA C22.2 No. 127 for UL Style Numbers 3190, 3191, 3192, 3193, 3309, 3591 and CSA Types CL1052 or 1053, as applicable.

6. IDENTIFICATION

- 6.1 Finished product shall be identified by means of surface ink printing indicating: manufacturer, size, insulation type, temperature rating, VW-1, UL Style Number, CSA Type Number, FT1.

7. TESTS

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