Rome Cable
CORPORATION

SPEC 2100

January 1, 2001

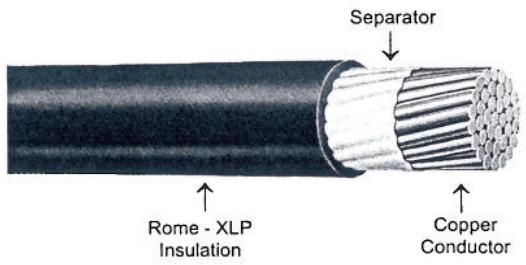
ROME XHHW-2

Rome-XLP Insulation, 600 Volts

APPLICATION:
1. General purpose wiring for lighting and power - residential, commercial, industrial buildings in accordance with National Electrical Code, maximum conductor temperature of 90°C in wet or dry locations, 600 volts, for installation in conduit or other recognized raceways.
2. Suitable for use in low leakage circuits requiring a dielectric constant of 3.5 or less, such as isolated circuits supplying anesthetizing locations per Article 517-160 of the NEC.
3. Suitable for use as low leakage inductive (loop) vehicle detector wire in accordance with state and municipal requirements.

STANDARDS:
1. Listed by UL as Type XHHW-2 per Standard 44 for Rubber-Insulated Wires and Cables.
2. Conforms to ICEA S-95-658/NEMA WC70, utilizing Column B thicknesses.
3. Conforms to Federal Specification J-C-30B.

CONSTRUCTION: Annealed copper conductor, Rome-XLP thermosetting chemically crosslinked polyethylene insulation, surface printed.



Size AWG or kcmil	No. of Strands	Insulation Thickness Mils	Nom. Diam. Inches	Copper Conductor: Ampacity * 75°C	Ampacity * 90°C	Approx. Wt. Lb./1000 Ft. Net	Approx. Wt. Lb./1000 Ft. Shipping	Standard Package Length	Standard Package Put-up	Stock Items(1) 1	2	3	4	5	6	7	8
Stranded																	
14	7	30	.14	20[t]	25[t]	18	19	500' spls.	4 per ctn.	S	S	S	S	S	S	S	S
							19	2500'	NR reel	S	S	S	S	S	S	S	S
12	7	30	.16	25[t]	30[t]	27	28	500' spls.	4 per ctn.	S	S	S	S	S	S	S	S
							29	2500'	NR reel	S	S	S	S	S	S	S	S
10	7	30	.18	35[t]	40[t]	40	41	500' spls.	2 per ctn.	S	S	S	S	S	S	S	S
							43	2500'	NR reel	S	S	S	S	S	S	S	S
8	7	45	.24	50	55	66	67	1000'	NR reel	S							
								NS	NR reel	S				S			
6	7	45	.28	65	75	96	105	NS	NR reel	S				S			
4	7	45	.32	85	95	145	160	NS	NR reel	S				S			
3	7	45	.35	100	110	182	199	NS	NR reel	S							
2	7	45	.38	115	130	225	245	NS	NR reel	S				S			
1	19	55	.44	130	150	290	310	NS	NR reel	S							
1/0	19	55	.48	150	170	360	380	NS	NR reel	S				S			
2/0	19	55	.52	175	195	450	470	NS	NR reel	S							
3/0	19	55	.58	200	225	555	590	NS	NR reel	S							
4/0	19	55	.63	230	260	700	730	NS	NR reel	S				S			
250	37	65	.70	255	290	830	865	NS	NR reel	S							
300	37	65	.75	285	320	990	1050	NS	NR reel	S							
350	37	65	.80	310	350	1150	1210	NS	NR reel	S							
400	37	65	.85	335	380	1310	1370	NS	NR reel	S							
500	37	65	.93	380	430	1620	1710	NS	NR reel	S							
600	61	80	1.04	420	475	1980	2080	NS	NR reel	S							
750	61	80	1.14	475	535	2445	2545	NS	NR reel	S							
1000	61	80	1.29	545	615	3240	3380	-	-								

*Ampacity in accordance with NEC for not more than three conductors in raceway at the conductor temperature indicated, in wet or dry locations, 30°C ambient temperature.

[t] The over current protection shall not exceed 15 amperes for 14 AWG, 20 amperes for 12 AWG and 30 amperes for 10 AWG copper.

NOTES: (1) Color Code: 1 black, 2 white, 3 red, 4 blue, 5 green, 6 yellow, 7 orange, 8 brown.
(2) On non-stocking items, contact Rome Cable for minimum acceptable manufacturing quantities.

Information on this sheet subject to change without notice.

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SPEC 2100

1-1-01

Specification

ROME XHHW-2

Rome-XLP Insulation, 600 Volts

1. **SCOPE**
   1.1 This specification describes single conductor Rome XHHW-2, a general purpose building wire insulated with crosslinked polyethylene (XLPE) intended for lighting and power circuits at 600 volts or less, in residential, commercial and industrial buildings. The wire may be operated at 90°C maximum continuous conductor temperature in wet or dry locations and is listed by Underwriters Laboratories for use in accordance with Article 310 of the National Electrical Code.

2. **APPLICABLE STANDARDS**
   2.1 The following standards form a part of this specification to the extent specified herein:
   2.1.1 Underwriters Laboratories Standard 44 for Rubber-Insulated Wires and Cables.
   2.1.2 ICEA Pub. No. S-95-658, NEMA Pub. No. WC70 for Nonshielded Power Cables Rated 2000 Volts or Less.
   2.1.3 Federal Specification J-C-30B.

3. **CONDUCTORS**
   3.1 Conductors shall be Class B stranded annealed uncoated copper per UL Standard 44.

4. **SEPARATOR**
   4.1 A suitable separator over the conductor may be used at the option of the manufacturer.

5. **INSULATION**
   5.1 Each conductor shall be insulated with Rome-XLP, a crosslinked polyethylene complying with the physical and electrical requirements of UL Standard 44 for Type XHHW-2.
   5.2 The average thickness of insulation, for a given conductor size, shall be as specified in UL Standard 44 for Type XHHW-2. The minimum thickness at any point shall be not less than 90% of the specified average thickness. The insulation shall be applied tightly to the conductor and shall be free-stripping.

6. **IDENTIFICATION**
   6.1 The wire shall be identified by surface marking indicating manufacturer's identification, conductor size and metal, voltage rating, UL Symbol and type designation.

7. **TESTS**
   7.1 Wire shall be tested in accordance with the requirements of UL Standard 44 for Type XHHW-2.

8. **LABELS**
   8.1 The wire shall bear the Underwriters Laboratories label for Type XHHW-2.