



X-Olene[®]

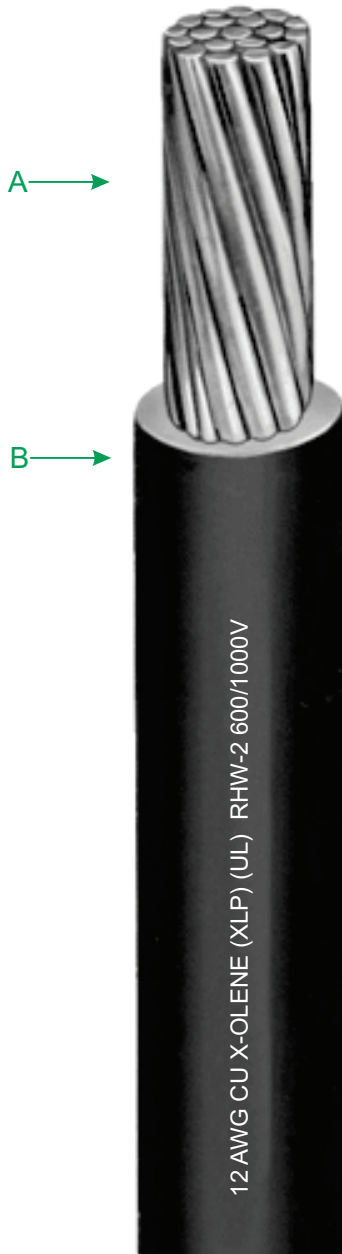
Type RHH or RHW-2 or USE-2*

600/1000V Power and Control

Copper Conductor/90°C Wet or Dry

Sunlight Resistant

* 600V Only



A Bare, Solid or Stranded
Copper Conductor
B X-Olene Insulation

Insulation

X-Olene is Okonite's trade name for its chemically cross-linked polyethylene insulating compound with outstanding electrical and physical properties. Its excellent chemical physical resistance permits X-Olene's use in areas exposed to alcohol, ketones and dilute acids and bases, without additional coverings.

Applications

X-Olene Type RHH or RHW-2 or USE-2 600/1000 Volt Power and Control Cables are recommended for general low voltage power and control applications. Where the National Electrical Code applies, Type RHH or RHW-2 or USE-2 may be used up to 90°C in dry or wet locations. These cables may be installed in wet or dry locations, indoors or outdoors, in raceways, underground ducts, directly buried in the earth, or lashed to a messenger for aerial installation.

Sizes 8 AWG & larger may be used for 600V underground distribution per ANSI/ICEA S-105-692.

Specifications

Conductor: Uncoated soft copper per ASTM B-3. Solid per ASTM B-3. Sizes smaller than #8 are compress stranded per ASTM B-8. Sizes #8 and larger are compact stranded per ASTM B-496.

Insulation: Meets or exceeds all requirements of ICEA S-95-658, NEMA WC-70, and UL Standards 44 and 854. Listed by Underwriters Laboratories, Inc. as Type RHH or RHW-2 or USE-2.

Meets the requirements of ANSI/ICEA S-105-692.

Product Features

- Outstanding heat resistance.
- Rated 90°C wet or dry.
- Mechanically rugged.
- Stable electrical properties.
- Low moisture absorption.
- Highly resistant to weather and most chemicals.
- UL Listed.
- Meets ANSI/ICEA S-105-692.
- Oil resistant, PR I & PR II.
- Gasoline and oil resistant, GR I & GR II.
- Sunlight resistant.
- USE-2 600V only.
- CSA RW90 listing on special request.



Catalog Number	Conductor size AWG kcmil		Number of Strands	Insulation Thickness - mils	Insulation Thickness - Inches		Approx. O.D. - Inches		Approx. Net Weight lbs./1000'		Approx. Ship Weight lbs./1000'		90°C Wet (1)* NEC Ampacity	75°C Wet (1)* NEC Ampacity	ICEA Ampacity (2)
112-32-3061	14	1	45	1.14	0.16	4.06	20	25	15	15	24				
112-32-3071	14	7	45	1.14	0.17	4.32	21	26	15	15	24				
112-32-3101	12	1	45	1.14	0.18	4.57	28	33	20	20	30				
112-32-3111	12	7	45	1.14	0.19	4.57	30	35	20	20	30				
112-32-3141	10	1	45	1.14	0.20	5.08	41	46	30	30	42				
112-32-3151	10	7	45	1.14	0.21	5.33	44	49	30	30	42				
112-32-3231	8	7	60	1.52	0.26	6.60	67	72	55	30	55				
112-32-3271	6	7	60	1.52	0.30	7.62	100	111	75	65	75				
112-32-3311	4	7	60	1.52	0.34	8.64	151	162	95	85	97				
112-32-3371	2	7	60	1.52	0.40	10.16	231	254	130	115	130				
112-32-3401	1	19	80	2.03	0.47	11.94	298	321	150	130	156				
112-32-3421	1/0	19	80	2.03	0.51	12.95	368	400	170	150	179				
112-32-3441	2/0	19	80	2.03	0.55	21.10	457	489	195	175	204				
112-32-3461	3/0	19	80	2.03	0.60	23.01	568	600	225	200	242				
112-32-3481	4/0	19	80	2.03	0.65	24.93	706	745	260	230	278				
112-32-3511	250	37	95	2.41	0.73	28.00	843	882	290	255	317				
112-32-3521	300	37	95	2.41	0.78	29.92	1002	1057	320	285	351				
112-32-3541	350	37	95	2.41	0.82	31.45	1159	1214	350	310	384				
112-32-3581	500	37	95	2.41	0.87	36.05	1628	1692	430	380	477				
112-32-3641	750	61	110	2.79	1.07	43.34	2431	2531	535	475	598				
112-32-3701	1000	61	110	2.79	1.22	49.09	3211	3327	615	545	689				

Okonite's web site, www.okonite.com contains the most up to date information.

To order a color other than black, change the last digit of the catalog number as follows:			
White	2	Orange	5
Red	3	Blue	6
Green	4	Yellow	7
Example: To order #14/Sol - Red, the catalog number would be 112-31-3063.			

(1) Ampacities are based on Table 310.16 of the National Electrical Code for these 90°C rated conductors at an ambient temperature of 30°C. The 75°C wet column is provided for additional information.

The ampacities shown apply to open runs of cable, installation in any approved raceway, direct burial in the earth, or as aerial cable on a messenger. Derating for more than three current carrying conductors within a raceway is in accordance with NEC 310.15(C)(1).

(2) Based on three (3) conductors in a single enclosed or exposed conduit. Capacities based on 40°C air ambient using ICEA methods. For 30°C ambient multiply values by 1.10; for 50°C multiply by .90. For other ambients or installation conditions refer to Okonite's Engineering Data Book EHB.

*Available with CSA RW90 rating on special request.

*Current limited to 15, 20 and 30 amps per Section 240.4(D)(3) of the NEC for #14, #12 and #10 AWG, respectively.