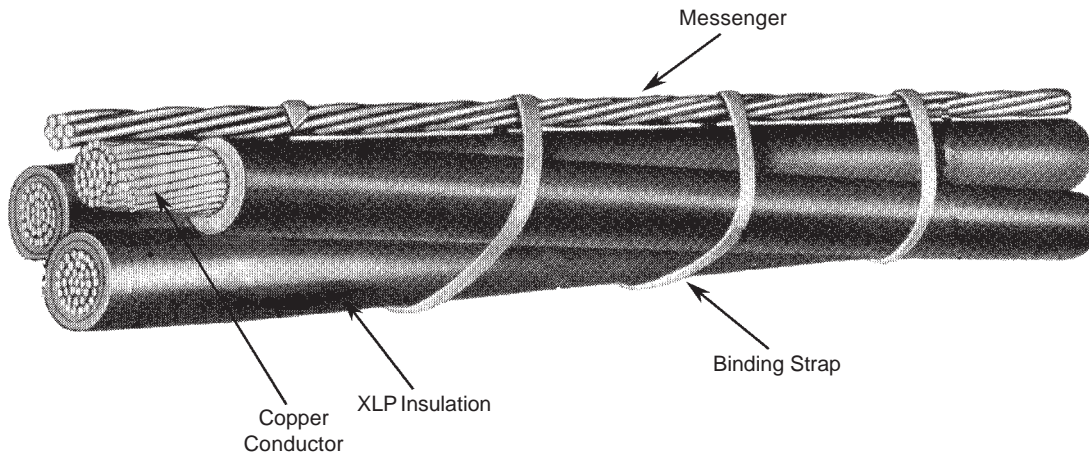


**PREASSEMBLED AERIAL CABLE, 600 VOLT  
CROSS-LINKED POLYETHYLENE INSULATION (RHH or RHW-2 or USE-2)**

**SPEC 5-24-1**

Ver. 7.0

Revised: 06/05/06



**90°C CONDUCTOR TEMPERATURE WET OR DRY**

Conductor			Insulation in Mils	Size Messenger*		Approximate O.D. in Inches	Ampacity** 40°C Ambient	Approximate Net Weight LBS/KFT
Size AWG or KCMIL	No. of Strands*	Nominal O.D.		30% EHS Copper Clad Steel	Galvanized Steel			

**THREE CONDUCTOR 600 VOLT**

6	7	0.18	60	3-#8	1/4"	1.19	89	454
4	7	0.23	60	3-#8	1/4"	1.30	117	615
2	7	0.28	60	3-#8	1/4"	1.42	158	865
1	19	0.32	80	3-#8	1/4"	1.60	185	1080
1/0	19	0.36	80	3-#8	1/4"	1.69	214	1305
2/0	19	0.41	80	5/16"	5/16"	1.82	247	1650
3/0	19	0.46	80	5/16"	5/16"	1.92	287	2000
4/0	19	0.51	80	3/8"	5/16"	2.10	335	2555
250	37	0.56	95	3/8"	3/8"	2.28	374	2990
300	37	0.61	95	3/8"	3/8"	2.39	419	3490
350	37	0.66	95	7/16"	7/16"	2.56	464	4075
400	37	0.71	95	1/2"	7/16"	2.72	503	4674
500	37	0.79	95	9/16"	1/2"	2.96	580	5800
600	61	0.74	110	9/16"	1/2"	3.20	647	6860
750	61	0.97	110	21/32"	9/16"	3.50	747	8575
1000	61	1.12	110	23/32"	3/4"	3.93	879	11260

**Note:**\*\*Based on three single insulated conductors supported on a messenger per NEC Table 310.20.

The above data is approximate and subject to normal manufacturing tolerances.

\*Heavy loading span 150 ft.; Maximum sag at 60°F: 2.5 ft.

\*19 stranding is combination unilay per ASTM 787.

**STANDARDS AND RATINGS:**

1. Conforms to ICEA S-95-658/NEMA WC 70 Standard for Nonshielded Power Cables 2000 Volts or Less.
2. Conforms to ICEA P-79-561 Guide for Selecting Aerial Cable Messengers and Lashing Wires.
3. Conductors are listed by UL as Type XHHW-2 per Standard UL 44.

AETNA INSULATED WIRE COMPANY  
1537 AIR RAIL AVENUE, VIRGINIA BEACH, VA 23455  
TELEPHONE: (800) 423-6505 FAX: (757) 605-2094  
WWW.AETNAWIRE.COM

