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## USE-2 or RHW-2 or RHH 600 Volts

<b>APPLICATION:</b> For lighting and power applications in accordance with the National Electrical code and for other general purpose wiring applications. Suitable for use in circuits not exceeding 600 volts at conductor temperatures not exceeding 90°C in wet or dry locations. May be installed in raceway, duct, direct burial, and aerial installations.				<b>Construction Details:</b> <b>Conductor:</b> Shall be solid or Class B Stranded annealed uncoated copper per UL Standard 854 and 44. <b>Insulation:</b> Shall be a crosslinked polyethylene complying with the physical and electrical requirements of UL Standard 854 for Type USE-2 and UL Standard 44 for Types RHW-2 or RHH and table 3-7 Class X-2 of ICEA. The average thickness of insulation shall be as specified in UL Standard 44 for Types RHH and RHW-2 and Table 3-4 Column A of ICEA. 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. <b>Identification:</b> The wire shall be identified by surface marking indicating the manufacturer's identification, conductor size, voltage rating, UL symbol and type designations. <b>Tests:</b> Wire shall be tested in accordance with the requirements of UL Standard 854 for Type USE-2 and, UL Standard 44 for Types RHW-2 or RHH and ICEA S-95-658. <b>Available Colors:</b> Black, Red, White, Green				
<b>STANDARDS:</b> <ol style="list-style-type: none"> <li>Listed by UL as type USE-2 (90°C wet or dry) per Standard 854 for Service Entrance Cables</li> <li>Listed by UL as Type RHW-2 (90°C wet or dry) or RHH (90°C dry) per Standard 44</li> <li>Conforms to ICEA S-95-658/NEMA WC70, utilizing column A insulation thicknesses.</li> <li>Conforms to Federal Specification J-C-30B</li> </ol>								
<b>CONSTRUCTION:</b> Annealed copper conductor, thermosetting, chemically crosslinked polyethylene, surface print								
Size (awg)	Strand Count (ADC P/N)	Insulation Thickness (Mils)	Nom. Diameter (inches)	Copper				
				Ampacity		Approx. Wt lb/1000 ft		Copper weight
				90°C* USE-2/RHH/ RHW-2	75°C* USE RHW	Net	Ship	
<b>Solid</b>								
14	Solid	45	.160	25 <sup>1</sup>	20 <sup>1</sup>	21	24	12.70
12	Solid	45	.180	30 <sup>1</sup>	25 <sup>1</sup>	30	33	20.12
10	Solid	45	.200	40 <sup>1</sup>	35 <sup>1</sup>	43	46	31.65
8	Solid	60	.250	55	50	68	73	50.50
<b>Stranded</b>								
14	7 (341)	45	.170	25 <sup>1</sup>	20 <sup>1</sup>	23	25	12.78
12	7 (321)	45	.190	30 <sup>1</sup>	25 <sup>1</sup>	32	33	20.20
10	7 (301)	45	.210	40 <sup>1</sup>	35 <sup>1</sup>	45	49	31.72
8	7 (308)	60	.270	55	50	72	79	51.05
6	7 (306)	60	.310	75	65	105	115	80.90
4	7 (304)	60	.360	95	85	155	175	128.90
3	7 (303)	60	.380	110	---	190	210	164.05
2	7 (302)	60	.410	130	115	234	255	204.90
1	19 (310)	80	.487	150	130	307	327	261

\*AMPACITY in accordance with NEC for not more than three conductors. As RHW-2; In raceway, 90°C conductor temperature and 30°C ambient in wet and dry locations. As RHH; In raceway, 90°C conductor temperature and 30°C ambient in dry locations. As USE-2: Direct burial, 90°C conductor temperature and 30°C ambient in wet locations.

\*\* AMPACITY in accordance with NEC for not more than three conductors. As RHW; In raceway, 75°C conductor temperature and 30°C ambient in wet and dry locations. As USE: Direct burial, 75°C conductor temperature and 30°C ambient in wet locations.

<sup>1</sup> The overcurrent protection shall not exceed 15 amperes for 14 awg, 20 amperes for 12 awg, and 30 amperes for 10 awg.