

SINGLE CONDUCTOR



- ▶ **RHH/RHW-2**
- ▶ **USE-2**
- ▶ **EPR/XL-CPE**
- ▶ **600V**

PRODUCT CONSTRUCTION

Conductor: 14 AWG through 1000 kcmil tin-coated, copper, compressed, Class B stranding per ASTM B33 and B8

Insulation: Lead-free, ethylene propylene rubber (EPR) colored to contrast with black, lead-free cross-linked chlorinated polyethylene (XL-CPE) jacket.

Options: Colored jackets available; 2kV-rated cables.

APPLICATIONS

Ideally suited for use in a broad range of commercial, industrial and utility applications where reliability is a concern and maximum performance is demanded.

For use in free air, raceways and direct burial.

For use in aerial, conduit, open tray and underground installations.

FEATURES

Resistant to water and sunlight. Designed to withstand severe environmental conditions. Withstands exposure to oil, acids, alkalis, heat, flame, moisture and chemicals. Meets or exceeds flame test requirements of MSHA and UL.

COMPLIANCES

Industry: ICEA S-95-658, NEMA WC70. For CT use on 1/0 and larger in accordance with the NEC[®]. UL 44 Type RHH/RHW-2, UL File #E90494, UL 854, Type USE-2, UL File #E90499.

Flame Test: UL 1581 VW-1, IEEE 1202/CSA FT4.

Other: EPA 40 CFR, Part 261 for leachable lead content per TCLP; OSHA acceptable; RoHS compliant.

USAWC Part #	Size (AWG or kcmil)	Cond. Strand	Nominal Cond. Diameter		Min. Avg. Insulation				Min. Avg. Jacket				Copper Weight		Net Weight	
			(Inches)	(mm)	Thickness		Diameter		Thickness		Diameter		(lbs./100)	kg/km	(lbs./1000)	kg/km
					(Inches)	(mm)	(Inches)	(mm)	(Inches)	(mm)	(Inches)	(mm)				
14 AWG – 1000 kcmil Conductors																
USA14-01EPR-CPE	14	7/.0242	0.07	1.78	0.030	0.76	0.14	3.56	0.015	0.38	0.17	4.32	13	19	24	36
USA12-01EPR-CPE	12	7/.0305	0.09	2.29	0.030	0.76	0.16	4.06	0.015	0.38	0.19	4.83	20	30	33	49
USA10-01EPR-CPE	10	7/.0385	0.12	3.05	0.030	0.76	0.18	4.57	0.015	0.38	0.21	5.33	32	48	48	71
USA8-01EPR-CPE	8	7/.0486	0.15	3.81	0.045	1.14	0.24	6.10	0.015	0.38	0.28	7.11	50	75	77	115
USA6-01EPR-CPE	6	7/.0612	0.18	4.57	0.045	1.14	0.28	7.11	0.030	0.76	0.35	8.89	81	121	122	182
USA4-01EPR-CPE	4	7/.0772	0.23	5.84	0.045	1.14	0.33	8.38	0.030	0.76	0.39	9.91	129	192	178	265
USA2-01EPR-CPE	2	7/.0974	0.29	7.37	0.045	1.14	0.39	9.91	0.030	0.76	0.46	11.68	205	305	265	394
USA1/0-01EPR-CPE	1/0	19/.0740	0.37	9.40	0.055	1.40	0.48	12.19	0.045	1.14	0.58	14.73	326	485	422	628
USA2/0-01EPR-CPE	2/0	19/.0837	0.41	10.41	0.055	1.40	0.53	13.46	0.045	1.14	0.63	16.00	411	612	518	771
USA4/0-01EPR-CPE	4/0	19/.1055	0.52	13.21	0.055	1.40	0.64	16.26	0.045	1.14	0.74	18.80	653	972	785	1168
USA250-01EPR-CPE	250	37/.0822	0.56	14.22	0.065	1.65	0.70	17.78	0.065	1.65	0.85	21.59	772	1149	960	1429
USA350-01EPR-CPE	350	37/.0973	0.67	17.02	0.065	1.65	0.81	20.57	0.065	1.65	0.96	24.38	1081	1609	1299	1933
USA500-01EPR-CPE	500	37/.1162	0.80	20.32	0.065	1.65	0.94	23.88	0.065	1.65	1.09	27.69	1542	2295	1803	2683
USA750-01EPR-CPE	750	61/.1109	0.98	24.89	0.080	2.03	1.15	29.21	0.065	1.65	1.31	33.27	2316	3447	2664	3965
USA1000-01EPR-CPE	1000	61/.1280	1.13	28.70	0.080	2.03	1.31	33.27	0.065	1.65	1.46	37.08	3086	4593	3989	5936

NOTE: Dimensions and weights are nominal and are subject to industry tolerances.