

DuraSheath®

EPR/XL-CPE, Low-Voltage Power, Unshielded

600 V or 1000 V, UL Type RHH/RHW-2 or 600 V UL Type USE-2

**Product Construction:****Conductor:**

- 14 AWG thru 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 jacket

Jacket:

- Lead-free Cross-linked Chlorinated Polyethylene (XL-CPE), black
- Colors available upon request

Applications:

- Ideally suited for use in a broad range of commercial, industrial and utility applications where reliability is a major concern and where maximum performance will be demanded
- In free air, raceways or direct burial
- For use in aerial, conduit, open tray and underground duct/installations

Features:

- Rated at 90°C wet or dry
- Deformation-resistant at high temperatures
- Excellent moisture resistance, exceeds UL 44
- Stable electrical properties over a broad temperature range
- Excellent flexibility at low temperatures; suitable for installation in sub-zero conditions
- Extra-tough, mechanically rugged composite insulation and jacket construction
- Easy Glider® low friction technology for easy cable pulling
- Resistant to most oils and chemicals
- UV/sunlight-resistant
- Meets UL 44 cold bend test at -40°C

Compliances:**Industry Compliances:**

- National Electric Code (NEC)
- ICEA S-95-658/NEMA WC70
- "FOR CT USE" on 1/0 AWG and larger in accordance with the NEC

Industry Compliances (cont'd.):

- UL 44 Type RHH/RHW-2, UL File # E523838
- UL 854 Type USE-2, UL File # E514203

Flame Test Compliances:

- UL 1581 VW-1
- IEEE 1202/CSA FT4

Other Compliances:

- EPA 40 CFR, Part 261 for leachable lead content per TCLP
- OSHA Acceptable
- RoHS Compliant

Packaging:

- Material cut to length and shipped on non-returnable wood reels

CATALOG NUMBER	COND. STRAND	COND. SIZE (AWG/ kcmil)	NOMINAL COND. DIAMETER		MINIMUM AVG. INSULATION				MINIMUM AVG. JACKET				COPPER WEIGHT		NET WEIGHT	
					THICKNESS		DIAMETER		THICKNESS		DIAMETER		LBS/ 1000 FT	kg/ km	LBS/ 1000 FT	kg/ km
			INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm				
14 AWG - 1000 kcmil CONDUCTORS																
14511.411405*	7W	14	0.07	1.80	0.030	0.76	0.14	3.56	0.015	0.38	0.17	4.32	13	19	24	36
14511.411205*	7W	12	0.09	2.26	0.030	0.76	0.16	4.06	0.015	0.38	0.19	4.83	20	30	33	49
14511.411005*	7W	10	0.11	2.87	0.030	0.76	0.18	4.57	0.015	0.38	0.22	5.59	32	48	47	70
14511.410805	7W	8	0.14	3.61	0.045	1.14	0.24	6.10	0.015	0.38	0.28	7.11	51	76	78	116
14511.410605	7W	6	0.18	4.52	0.045	1.14	0.28	7.11	0.030	0.76	0.34	8.64	81	121	124	184
14511.410405	7W	4	0.23	5.72	0.045	1.14	0.32	8.13	0.030	0.76	0.39	9.91	129	192	180	268
14511.710205	7W	2	0.28	7.19	0.045	1.14	0.38	9.65	0.030	0.76	0.45	11.43	205	305	266	395
14511.715105	19W	1/0	0.35	8.94	0.055	1.40	0.48	12.19	0.045	1.14	0.58	14.73	326	485	424	630
14511.715205	19W	2/0	0.40	10.03	0.055	1.40	0.53	13.46	0.045	1.14	0.62	15.75	411	612	502	747
14511.715405	19W	4/0	0.50	12.65	0.055	1.40	0.63	16.00	0.045	1.14	0.72	18.29	653	972	767	1141
14511.716005	37W	250	0.56	14.17	0.065	1.65	0.69	17.55	0.065	1.65	0.83	21.08	772	1149	939	1397
14511.716205	37W	350	0.66	16.79	0.065	1.65	0.80	20.32	0.065	1.65	0.93	23.62	1081	1609	1234	1837
14511.716505	37W	500	0.79	20.04	0.065	1.65	0.92	23.37	0.065	1.65	1.05	26.67	1544	2298	1718	2556
14511.717005	61W	750	0.97	24.59	0.080	2.03	1.12	28.45	0.065	1.65	1.26	32.00	2316	3447	2592	3857
14511.717505	61W	1000	1.12	28.37	0.080	2.03	1.27	32.26	0.065	1.65	1.41	35.81	3088	4595	3298	4907

Dimensions and weights are nominal; subject to industry tolerances.

* Sizes 14-10 AWG are UL listed to 600 V only.

