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

EASY GLIDER®

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					
			INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/ km	LBS/ 1000 FT	kg/ km
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.

UL LISTED

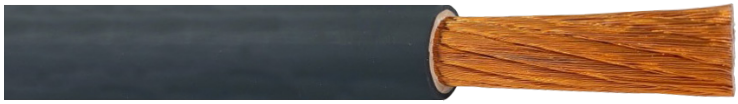
RoHS Compliant Directive EU 2015 / 863

prysmian

Flexible DuraSheath® High Speed Cable

600V or 1000V, UL Type RHH/RHW-2/USE-2 90°C (Wet or Dry)

Prysmian's DuraSheath® brand has been a pioneer of innovation and excellence in the wire and cable industry. Today, we are excited to introduce a flexible version, the latest expansion to the DuraSheath product family. The flexible DuraSheath Cables combine the superior performance of DuraSheath with the flexibility of portable cables, such as DLO cables. This allows for significant savings in material costs, lead times and ease of cable installation. One key application is backup power for data centers.



CONSTRUCTION

Conductor

- Bare annealed copper wire (bunched or concentric) per ASTM B3, B174, B172
- 4/0 thru 1000 kcmil flexible stranded bare copper

Insulation

- Lead-free Ethylene Propylene Rubber (EPR)

Jacket

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

APPLICATIONS

- Data Centers
- Airport Expansion
- Education Buildings
- Oil & Gas
- Power Generation
- Renewable Energy
- Transit

PERFORMANCE

- UL 44 Type RHH/RHW-2
- UL 854 Type USE-2
- ICEA S-95-658/NEMA WC70
- Deformation-resistant at high temperatures
- Excellent moisture resistance, exceeds UL44
- Stable electrical properties
- Excellent flexibility at low temperatures
- Excellent heat aging performance at high tem-peratures up to 125°C
- Resistant to most oils and chemicals
- UV/Sunlight-resistant
- Meets UL cold bend at -40°C
- Flame Test Compliances:
  - UL1581 VW-1
  - For CT USE on 1/0 and larger
  - IEEE 1202/CSA FT4

AWG Size	Conductors		Insulation		Jacket		Approx. Wt/1000 ft - Nom. (lb)	Ampacity[1] 90°C
	Strand	Conductor OD - Nom. (in)	Min. Avg. Wall (in)	Cable OD - Nom. (in)	Min. Avg. Wall (in)	Cable OD - Nom. (in)		
4/0	2062	0.530	0.055	0.651	0.045	0.747	766	260
250 kcmil	627	0.610	0.065	0.753	0.065	0.891	998	290
350 kcmil	855	0.715	0.065	0.858	0.065	0.996	1325	350
500 kcmil	1235	0.910	0.065	1.053	0.065	1.191	1859	430
600 kcmil	1480	0.972	0.080	1.145	0.065	1.283	2231	475
750 kcmil	1850	1.090	0.080	1.263	0.065	1.401	2792	535
1000 kcmil	2501	1.304	0.080	1.477	0.065	1.615	3713	615

(1) Ampacities per 2014 NEC Table 310.15(B)(16).

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