

Single Conductor 15 kV cable, for conduit, duct, tray, aerial or direct burial installation.

CONSTRUCTION ELEMENTS

- A. Annealed copper or EC aluminum conductor compressed concentric stranded, water blocking filler.
- B. XLPE extruded semi-conducting strand shield.
- C. 90°C TR-XLPE insulation.
- D. XLPE extruded semi-conducting insulation shield "EASY STRIP".
- E. Copper tape shield, helicoidally served.
- F. PE outer jacket.



NEMA WC71-1999 / AEIC CS-8-00

PRINCIPAL CHARACTERISTICS

Continuous operating temperature		90° C
Maximum Operating voltage		15000 V
Test voltage (kVAC)	=<1000 MCM	35 KVAC
	>1000 MCM	44 KVAC
Partial discharge at test voltage		< 5 pC

Conductor Size (AWG / MCM)	Stranded Conductor				Thickness (mils)		Aprox. weight (Pounds/kft)		Overall Diam. (inch)	Ampacities					
	Section (MCM)	Number of Wires	Diameter (inch)		Insulat.	Jacket	Cu	Al		Direct. Burial		In Duct		In Air	
			Wires	Strand						Cu	Al	Cu	Al	Cu	Al
2	66	7	0.097	0.292	175	80	528	385	0.945	222	173	172	135	225	176
2	66	19	0.059	0.287	175	80	523	381	0.939	222	173	172	135	225	176
1	84	19	0.067	0.323	175	80	597	416	0.974	253	197	196	153	259	202
1/0	106	19	0.074	0.362	175	80	684	458	1.014	285	224	222	175	297	234
2/0	133	19	0.084	0.407	175	80	797	510	1.059	323	254	251	198	341	269
3/0	168	19	0.094	0.457	175	80	931	570	1.108	365	289	285	226	391	309
4/0	212	19	0.106	0.512	175	80	1096	641	1.163	412	328	323	257	449	356
250	250	37	0.082	0.559	175	80	1245	707	1.211	451	359	354	283	499	396
300	300	37	0.090	0.612	175	80	1448	802	1.280	495	396	390	313	556	443
350	350	37	0.097	0.661	175	80	1630	878	1.329	536	430	423	341	609	487
500	500	37	0.116	0.789	175	80	2171	1098	1.457	641	520	510	415	751	607
750	750	61	0.111	0.970	175	80	3070	1454	1.638	771	637	625	518	938	770
1000	1000	61	0.128	1.118	175	110	4049	1902	1.878	878	737	718	604	1101	918
1250	1250	91	0.117	1.252	220	110	5060	2368	2.102	923	824	756	675	1157	1025
1500	1500	91	0.128	1.370	220	110	5921	2699	2.220	952	878	780	719	1193	1093

Options:

1 PVC outer jacket

2 "Sun light resistant" - "Cable Tray Use"

HC535 / 01 / SEPT-05

The data listed above is approximate and subject to normal manufacturing tolerances. Specifications are subject to change without notice.