

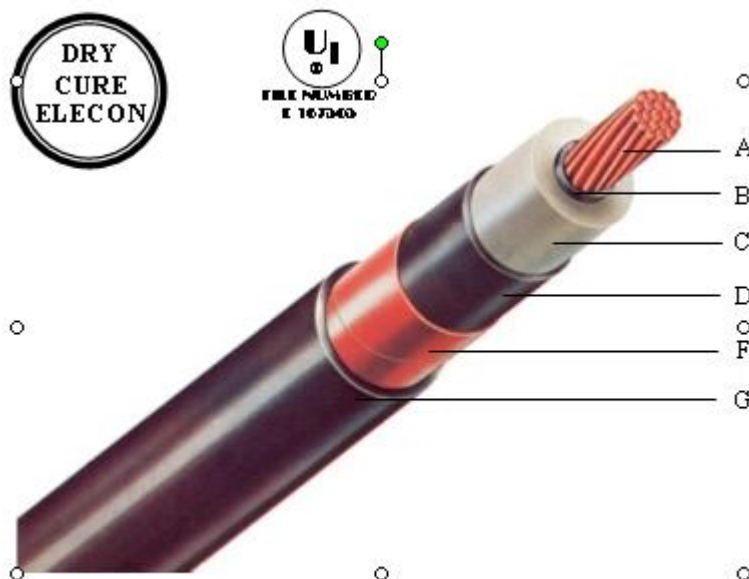


SINGLE CONDUCTOR XLPE 5 KV 133% INSULATION CONDUCTOR WATER BLOCKING

Single Conductor 5 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	5000 V
Test voltage	23 KVAC
Partial discharge at test voltage	< 5 pC

Conductor Size (AWG / MCM)	Stranded Conductor				Thickness		Aprox. weight		Overall Diam. (inch)	Ampacities					
	Section (MCM)	Number of Wires	Diameter (inch)		(mils)		(Pounds/kft)			Direct. Burial		In Duct		In Air	
			Wires	Strand	Insulat.	Jacket	Cu	Al		Cu	Al	Cu	Al	Cu	Al
8	17	7	0.049	0.146	115	60	214	179	0.640	109	85	78	61	97	76
6	26	7	0.061	0.183	115	60	260	204	0.677	139	108	101	78	128	99
4	42	7	0.077	0.231	115	60	329	240	0.726	179	140	130	101	168	131
2	66	7	0.097	0.292	115	60	433	290	0.787	230	180	168	131	221	173
2	66	19	0.059	0.287	115	60	429	286	0.781	230	180	168	131	221	173
1	84	19	0.067	0.323	115	60	500	319	0.817	276	205	193	150	265	200
1/0	106	19	0.074	0.362	115	80	604	378	0.896	297	233	218	171	296	232
2/0	133	19	0.084	0.407	115	80	713	426	0.941	337	264	248	195	341	267
3/0	168	19	0.094	0.457	115	80	845	483	0.990	377	296	283	222	390	306
4/0	212	19	0.106	0.512	115	80	1005	551	1.045	426	336	312	253	450	354
250	250	37	0.082	0.559	115	80	1150	612	1.093	457	365	346	277	492	393
300	300	37	0.090	0.612	115	80	1333	687	1.146	501	403	381	307	548	440
350	350	37	0.097	0.661	115	80	1511	759	1.195	541	437	414	335	601	485
500	500	37	0.116	0.789	115	80	2058	985	1.339	645	527	499	408	743	605
750	750	61	0.111	0.970	115	80	2944	1328	1.520	782	650	615	512	945	782
1000	1000	61	0.128	1.118	115	110	3882	1735	1.744	888	751	706	598	1109	933

Options:

1 PVC outer jacket

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

HC534 / 01 / SEPT-05

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