

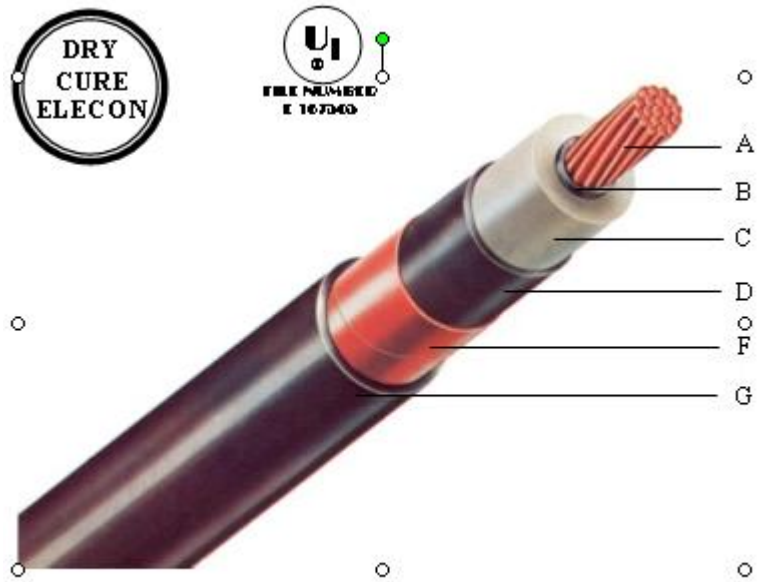


SINGLE CONDUCTOR XLPE 35 KV 133% INSULATION CONDUCTOR WATER BLOCKING

Single Conductor 35 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	35000 V
Test voltage	84 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
1/0	106	19	0.074	0.362	421	80	1134	908	1.526	270	212	222	175	290	227
2/0	133	19	0.084	0.407	421	80	1261	974	1.571	306	241	251	197	333	260
3/0	168	19	0.094	0.457	421	80	1412	1050	1.620	348	275	284	225	381	299
4/0	212	19	0.106	0.512	421	110	1661	1206	1.736	392	309	330	261	438	344
250	250	37	0.082	0.559	421	110	1827	1288	1.783	429	339	362	287	485	382
300	300	37	0.090	0.612	421	110	2056	1409	1.852	473	375	400	317	540	426
350	350	37	0.097	0.661	421	110	2256	1504	1.902	513	408	434	345	591	468
500	500	37	0.116	0.789	421	110	2843	1770	2.030	617	495	523	420	728	580
750	750	61	0.111	0.970	421	110	3808	2192	2.211	757	615	643	525	922	744
1000	1000	61	0.128	1.118	421	110	4751	2605	2.374	866	715	739	612	1082	885
1250	1250	91	0.117	1.252	421	110	5680	2987	2.508	922	810	756	663	1155	1008
1500	1500	91	0.128	1.370	421	110	6571	3349	2.626	958	968	787	711	1201	1080

Options:

1 PVC outer jacket

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

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

HC540 / 01 / SEPT-05