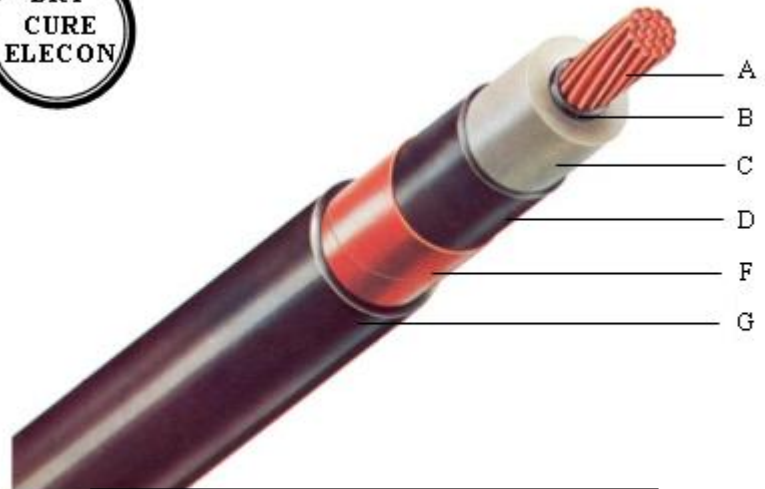


SINGLE CONDUCTOR XLPE 46 KV 100% INSULATION CONDUCTOR WATER BLOCKING

Single Conductor 46 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.



**AEIC CS8-00 - ICEA S-97-682-2000
NEMA WC-74 /ICEA S-93-639**

PRINCIPAL CHARACTERISTICS

Continuous operating temperature	90°C
Maximum Operating voltage	46000 V
Test voltage	89 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
4/0	212	19	0.106	0.512	445	110	1837	1382	1.797	392	309	330	261	438	344
250	250	37	0.082	0.559	445	110	2033	1494	1.860	429	339	362	287	485	382
300	300	37	0.090	0.612	445	110	2244	1598	1.913	473	375	400	317	540	426
350	350	37	0.097	0.661	445	110	2450	1697	1.963	513	408	434	345	591	468
400	400	37	0.104	0.707	445	110	2653	1793	2.008	550	439	465	372	639	507
500	500	37	0.116	0.789	445	110	3050	1977	2.091	617	495	523	420	728	580
600	600	61	0.099	0.866	445	110	3448	2158	2.167	677	547	575	465	812	650
750	750	61	0.111	0.970	445	110	4034	2418	2.272	756	615	643	525	922	744
800	800	61	0.115	1.000	445	110	4217	2497	2.301	816	664	694	567	995	803
1000	1000	61	0.128	1.118	445	110	4995	2848	2.435	865	715	739	612	1082	885
1250	1250	91	0.117	1.252	445	110	5937	3244	2.569	921	810	754	663	1154	1088

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.

HC541 / 01 / SEPT-05