



SINGLE CONDUCTOR EPR 15 KV 133% INSULATION CONDUCTOR WATER BLOCKING

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 EPR insulation.
- D.** XLPE extruded semi-conducting insulation shield "EASY STRIP".
- E.** Copper tape shield, helicoidally served.
- F.** PE outer jacket.



NEMA WC74-2000 / AEIC CS-8-00

PRINCIPAL CHARACTERISTICS

Continuous operating temperature	90°C
Maximum Operating voltage	15000 V
Test voltage (kVAC)	44
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	220	80	640	497	1.035	220	171	170	134	223	174
2	66	19	0.059	0.287	220	80	635	492	1.030	226	175	172	135	225	176
1	84	19	0.067	0.323	220	80	713	533	1.065	248	195	196	154	258	202
1/0	106	19	0.074	0.362	220	80	806	580	1.104	282	222	223	175	297	233
2/0	133	19	0.084	0.407	220	80	925	638	1.150	320	252	253	199	341	268
3/0	168	19	0.094	0.457	220	80	1066	705	1.199	362	286	286	227	391	308
4/0	212	19	0.106	0.512	220	80	1256	802	1.270	409	325	325	258	449	355
250	250	37	0.082	0.559	220	80	1412	873	1.317	448	356	356	284	498	395
300	300	37	0.090	0.612	220	80	1606	960	1.370	492	393	392	314	555	441
350	350	37	0.097	0.661	220	80	1796	1044	1.419	533	427	426	342	608	485
500	500	37	0.116	0.789	220	80	2354	1282	1.547	637	516	513	416	749	604
750	750	61	0.111	0.970	220	110	3348	1731	1.789	769	633	629	519	937	767
1000	1000	61	0.128	1.118	220	110	4286	2140	1.969	876	733	722	606	1099	913
1250	1250	91	0.117	1.252	220	110	5192	2499	2.102	920	822	754	672	1155	1022
1500	1500	91	0.128	1.370	220	110	6063	2841	2.220	949	875	777	717	1190	1090

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.

HC549 / 01 / SEPT-05