



SINGLE CONDUCTOR EPR 46 KV 133% 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 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	46000 V
Test voltage	116 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	579	110	2485	2031	2.081	390	306	328	260	437	342
250	252	37	0.082	0.559	579	110	2675	2136	2.128	428	337	361	286	483	382
300	300	37	0.090	0.612	579	110	2907	2261	2.181	470	371	397	315	538	425
350	350	37	0.097	0.661	579	110	3132	2380	2.230	508	403	436	346	587	463
400	400	37	0.104	0.707	579	110	3353	2493	2.276	545	434	467	373	634	502
500	500	37	0.116	0.789	579	110	3782	2710	2.358	612	490	525	421	723	575
600	600	61	0.099	0.866	579	110	4211	2920	2.435	673	541	578	466	806	644
750	750	61	0.111	0.970	579	110	4837	3221	2.539	751	610	647	526	915	736
800	800	61	0.115	1.000	579	110	5032	3311	2.569	810	660	690	564	990	794
1000	1000	61	0.128	1.118	579	110	5861	3715	2.703	861	709	743	613	1074	875
1250	1250	91	0.117	1.252	579	140	6963	4271	2.896	916	807	750	661	1148	1081

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.

HC555 / 01 / SEPT-05