



SINGLE CONDUCTOR EPR 5 KV 100% 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 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	5000 V
Test voltage	18 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
8	17	7	0.049	0.146	90	60	201	166	0.589	109	85	78	61	97	76
6	26	7	0.061	0.183	90	60	247	191	0.626	139	108	101	78	128	99
4	42	7	0.077	0.231	90	60	317	227	0.675	179	140	130	101	168	173
2	66	7	0.097	0.292	90	60	420	278	0.736	230	180	168	131	221	173
2	66	19	0.059	0.287	90	60	416	274	0.730	230	180	168	131	221	173
1	84	19	0.067	0.323	90	60	487	306	0.766	276	205	193	150	265	200
1/0	106	19	0.074	0.362	90	60	570	344	0.805	297	233	218	171	296	232
2/0	133	19	0.084	0.407	90	80	700	413	0.890	337	264	248	195	341	267
3/0	168	19	0.094	0.457	90	80	831	469	0.939	377	296	283	222	390	306
4/0	212	19	0.106	0.512	90	80	992	538	0.994	426	336	312	253	450	354
250	250	37	0.082	0.559	90	80	1138	599	1.041	457	365	346	277	492	393
300	300	37	0.090	0.612	90	80	1320	674	1.094	501	403	381	307	548	440
350	350	37	0.097	0.661	90	80	1498	746	1.144	541	437	414	335	601	485
500	500	37	0.116	0.789	90	80	2045	952	1.287	645	527	499	408	743	605
750	750	61	0.111	0.970	90	80	2932	1315	1.469	782	650	615	512	945	782
1000	1000	61	0.128	1.118	90	80	3804	1657	1.632	888	751	706	598	1109	933

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.

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