25kV URD Cable - TR XLPE or EPR 260mil 100% insulation level

■ ALUMINIUM Conductor

Phase Conductor		Copper Neutral		Thickness (mils)				Diameter (mils)			Weight (XLPE) 1000fts(lbs)		Weight (EPR) 1000fts(lbs)		Allowable Ampacities+		
Size AWG or kcmil	No. of Wires	No. of Wires	Wire Size AWG	Cond. Shield	Insul. (Min Avg.)	Insul Shield	Jkt.	Bare Phase Cond.	Over Insul.	Over Jkt	with-out Jacket	comp. cable	with-out Jacket	comp. cable	1/C Duct Buried	1/C Duct Buried	1/C Duct In Air
FULL NEUTRAL																	
1	19	13	14	20	260	40	50	322	900	1208	535	687	676	757	195	145	127
1/0	19	16	14	20	260	40	50	362	940	1250	614	767	762	845	220	165	145
2/0	19	13	12	20	260	40	50	405	985	1327	722	905	886	986	250	190	167
3/0	19	16	12	20	260	60	50	456	1035	1417	875	1065	1038	1141	290	210	185
4/0	19	20	12	20	260	60	50	512	1090	1472	1025	1241	1233	1340	325	245	215
ONE-THIRD (1/3) NEUTRAL															3/C Direct Buried	3/C Duct Buried	3/C Duct In Air
1/0	19	6	14	20	260	40	50	362	940	1250	475	650	629	712	225	160	145
2/0	19	7	14	20	260	40	50	405	985	1293	540	715	706	806	250	180	158
3/0	19	9	14	20	260	40	50	456	1035	1383	655	842	820	923	275	205	180
4/0	19	11	14	20	260	40	50	512	1090	1438	750	966	961	1068	310	240	210
250	37	13	14	25	260	40	50	558	1160	1508	852	1117	1086	1229	335	260	228
350	37	11	12	25	260	60	80	660	1260	1702	1060	1380	1328	1500	395	325	285
500	37	16	12	25	260	60	80	789	1390	1832	1369	1721	1681	1865	445	390	342
750	61	15	10	30	260	80	80	968	1580	2104	1920	2373	2294	2528	515	475	417
1000	61	20	10	30	260	80	80	1117	1725	2249	2405	2870	2828	3072	560	525	460

■ COPPER Conductor

Phase Conductor		Copper Neutral		Thickness (mils)				Diameter (mils)			Weight (XLPE) 1000fts(lbs)		Weight (EPR) 1000fts(lbs)		Allowable Ampacities+		
Size AWG or kcmil	No. of Wires	No. of Wires	Wire Size AWG	Cond. Shield	Insul. (Min Avg.)	Insul Shield	Jkt.	Bare Phase Cond.	Over Insul.	Over Jkt	with-out Jacket	comp. cable	with-out Jacket	comp. cable	1/C Duct Buried	1/C Duct Buried	1/C Duct In Air
FULL NEUTRAL																	
1	19	13	12	20	260	40	50	322	900	1242	615	701	951	1032	245	185	162
1/0	19	16	12	20	260	40	50	362	940	1284	1044	1133	1107	1190	280	215	189
2/0	19	20	12	20	260	40	50	405	985	1327	1232	1321	1320	1420	315	240	210
3/0	19	25	12	20	260	60	50	456	1035	1417	1502	1594	1589	1692	360	275	241
4/0	19	32	12	20	260	60	50	512	1090	1472	1828	1919	1927	2035	415	315	276
ONE-THIRD (1/3) NEUTRAL															3/C Direct Buried	3/C Duct Buried	3/C Duct in Air
1/0	19	9	14	20	260	40	50	362	940	1250	826	912	897	997	275	215	189
2/0	19	11	14	20	260	40	50	405	985	1293	960	1048	1045	1148	310	250	220
3/0	19	14	14	20	260	60	50	456	1035	1383	1166	1261	1246	1353	345	285	250
4/0	19	11	12	20	260	60	50	512	1090	1471	1414	1528	1490	1633	385	320	280
250	37	13	12	25	260	60	50	558	1160	1602	1628	1780	1724	1895	410	345	303
350	37	12	10	25	260	60	80	660	1260	1744	2083	2266	2338	2424	460	405	355
500	37	17	10	25	260	60	80	789	1390	1874	2858	3050	2952	3185	520	470	412
750	61	25	10	30	260	80	80	968	1580	2104	4071	4280	4207	4452	567	550	483
1000	61	33	10	30	260	80	80	1117	1725	2249	5190	5404	5330	5545	625	615	540

+Ampacities based on earth thermal resistivity of 90℃ -cm/watt, 90℃ conductor temp., 20℃ earth ambient temperature, 75% load factor, and 36" depth of burial. Values are based on one-three phase circuit, on conductor per phase, in adjacent configuration with wires bonded at each end.

* REA bulletin 60-70 (U-1) dated 28/12/1987 requires 220mil insulation thickness for 100% 15kV cable.