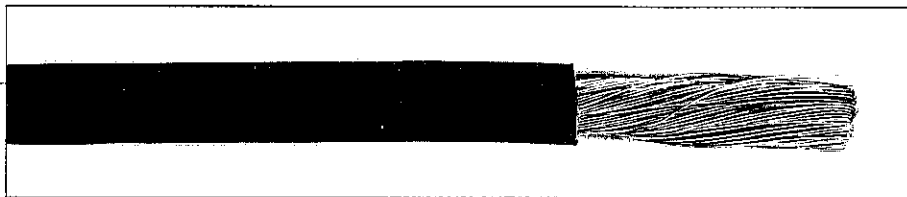


Polyrad® XT Flexible Wire and Cable

2000V-Single Conductor-Dual Rated -125°C/110°C



2000 VOLT CHART - STANDARD INSULATION THICKNESS

CATALOG NUMBER STOCK#	CONDUCTOR (AWG/kcmil) SIZE AND STRANDING		TYPE OF STRANDING	APPROX. AREA (kcmil)	NOMINAL CONDUCTOR DIAMETER		NOMINAL INSULATION THICKNESS		NOMINAL CABLE DIAMETER		NET CABLE WEIGHT		AMPACITY (Free Air @ 70°C Ambient)	
	AWG	kcmil			INCHES	MM	MILS	MM	INCHES	MM	lbs./1000'	kg/km	100°C	125°C
364980	20	19/32	CONC	1216	0.038	0.97	45	1.14	0.128	3.25	10	15	24	26
300620	18	19/30	CONC	1900	0.048	1.22	45	1.14	0.138	3.51	14	21	30	32
300890	16	19/29	CONC	2426	0.054	1.37	45	1.14	0.144	3.66	16	24	35	38
280740	14	19/27	CONC	3831	0.067	1.70	45	1.14	0.157	3.99	22	33	41	44
303480	12	19/25	CONC	6088	0.086	2.18	45	1.14	0.176	4.47	31	46	52	56
301260	10	27/24	BUNCH	10910	0.120	3.05	45	1.14	0.210	5.34	49	73	73	79
269970	8	37/24	CONC	14950	0.140	3.56	55	1.40	0.250	6.35	68	101	85	92
297970	6	61/24	CONC	24640	0.181	4.60	55	1.40	0.291	7.39	104	155	120	130
355490	5	91/24	ROPE	36760	0.242	6.15	55	1.40	0.352	8.94	149	222	160	173
301270	4	105/24	ROPE	42420	0.262	6.65	55	1.40	0.372	9.45	168	250	168	181
325290	3	125/24	ROPE	50500	0.285	7.24	55	1.40	0.395	10.03	197	293	199	215
302440	2	150/24	ROPE	60800	0.307	7.80	55	1.40	0.417	10.59	226	336	214	231
355500	1	225/24	ROPE	90900	0.360	9.65	65	1.65	0.510	12.95	353	525	268	289
296500	1/0	275/24	ROPE	111100	0.437	11.10	65	1.65	0.567	14.40	424	631	304	328
301280	2/0	325/24	ROPE	131300	0.458	11.63	65	1.65	0.588	14.94	481	716	338	364
300900	3/0	450/24	ROPE	181800	0.549	13.94	65	1.65	0.679	17.25	663	987	414	446
296510	4/0	550/24	ROPE	222200	0.611	15.52	65	1.65	0.741	18.82	798	1188	472	509
267040	262	650/24	ROPE	262600	0.652	16.56	75	1.91	0.802	20.37	964	1435	524	565
296520	313	775/24	ROPE	313100	0.720	18.29	75	1.91	0.870	22.10	1142	1699	590	636
304020	373	925/24	ROPE	373700	0.795	20.19	75	1.91	0.945	24.00	1331	1981	657	708
300180	444	1100/24	ROPE	444400	0.855	21.72	75	1.91	1.005	25.53	1612	2399	734	791
263400	535	1325/24	ROPE	535300	0.925	23.50	90	2.29	1.105	28.07	1871	2784	828	893
355570	646	1600/24	ROPE	646400	1.035	26.29	90	2.29	1.215	30.86	2279	3391	931	1004
260080	777	1925/24	ROPE	777700	1.120	28.45	90	2.29	1.300	33.02	2753	4097	1047	1129
355600	929	2300/24	ROPE	929200	1.230	31.24	90	2.29	1.410	35.82	3431	5106	1168	1259
355620	1111	2750/24	ROPE	1111000	1.328	33.73	110	2.79	1.548	39.32	3972	5911	1254	1352

2000 VOLT CHART - HEAVY WALL INSULATION THICKNESS

355510	4/0	550/24	ROPE	222200	0.611	15.52	105	2.67	0.821	20.85	853	1269	472	509
355520	262	650/24	ROPE	262600	0.652	16.56	105	2.67	0.862	21.90	1009	1502	524	565
355530	313	775/24	ROPE	313100	0.720	18.29	105	2.67	0.930	23.62	1199	1784	590	636
355540	373	925/24	ROPE	373700	0.795	20.19	105	2.67	1.005	25.53	1396	2077	657	708
355550	444	1100/24	ROPE	444400	0.855	21.72	105	2.67	1.065	27.05	1680	2500	734	791
355560	535	1325/24	ROPE	535300	0.925	23.50	120	3.05	1.165	29.59	1947	2897	828	893
355580	646	1600/24	ROPE	646400	1.035	26.29	120	3.05	1.275	32.39	2365	3519	931	1004
355590	777	1925/24	ROPE	777700	1.120	28.45	120	3.05	1.360	34.55	2865	4263	1047	1129
355610	929	2300/24	ROPE	929200	1.230	31.24	120	3.05	1.470	37.34	3539	5267	1168	1259
355630	1111	2750/24	ROPE	1111000	1.328	33.73	120	3.05	1.568	39.83	4011	5969	1254	1352

Note #1: Where additional insulation thickness is desired for added mechanical protection, these values are noted in the second chart. Note #2: At the option of the purchaser, the manufacturer's standard type of stranding will be acceptable providing that the conductor diameter does not exceed the values shown. The total number of wires shall be as specified, plus or minus one percent, except 150/24 which may vary by minus two percent, providing that the conductor diameter does not exceed the values shown.

Product Construction:

Conductor:

- 20 AWG thru 1111 kcmil soft annealed tinned copper per ASTM B33, B8 and B172.

Insulation:

- Polyrad XT flame-retardant, low-smoke irradiated Cross-Linked Polyolefin (XLPO)

Print:

- GENERAL CABLE BRAND REX BRAND (WC) POLYRAD XT 125C/110C XXAWG 2000V YEAR/MONTH

Options:

- Class K stranding
- Available in colors other than dark gray

Applications:

- Ideally suited for use where environmental factors require cable characteristics to perform with a high degree of flame-retardancy and excellent moisture-stable electrical values. Where reliability is the major concern and where maximum performance will be demanded.
- Engineered and manufactured for both original equipment and retrofit use in power and control circuits, and in motor leads
- Extensively found on all types of heavy- and light- rail cars, rapid transit cars, diesel-electric locomotives, freight cars, wayside equipment and off-road vehicles.

Features:

- Dual temperature rating at 125°C/110°C for long life, higher ampacities and protection from thermal overloads
- Excellent flexibility and free stripping
- Higher ampacities and simplified installations possible due to small outside diameters, flexible stranding and insulation
- Outstanding thermal stability at elevated temperatures
- Maximum flame-retardance and low toxicity
- Excellent low-temperature performance; suitable for installation in sub zero conditions
- Extra tough, mechanically rugged irradiated thermoset insulation
- Resistant to most oils and chemicals
- Meets cold bend test at -55°C
- Meets cold impact test at -40°C

Compliances:

Industry Compliances:

- AAR RP-585
- ICEA S-95-658
- UL 44

Flame Test Compliances:

- IEEE 1202 (70,000 BTU/hr)
- IEEE 383 (70,000 BTU/hr)
- UL VW-1

Other Compliances:

- ASTM E662
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:

- Standard reel put-up