

Polyrad® XT-TX Flexible Wire and Cable

2000V, Single Conductor, NYCTA Type TX



2000 VOLT CHART

CATALOG NUMBER	NYCTA Type TX Stock Code Number	CONDUCTOR (AWG/kcmil) SIZE AND STRANDING		NOMINAL CONDUCTOR DIAMETER				NOMINAL CABLE DIAMETER		COPPER WEIGHT		NET CABLE WEIGHT		AMPACITY (Free Air 40° C Ambient) 110° C
				INCHES	MM	MILS	MM	INCHES	MM	lbs/1000'	kg/km	lbs/1000'	kg/km	
390500	—	20	19/32	0.038	0.97	45	1.14	0.130	3.30	4	6	11	16	24
390140	20-90-160X	18	19/30	0.048	1.22	45	1.14	0.140	3.56	6	9	15	22	30
390150	20-90-180X	16	19/29	0.054	1.37	45	1.14	0.146	3.71	8	13	17	25	35
390160	20-90-2000	14	19/27	0.067	1.70	45	1.14	0.159	4.04	12	18	23	34	41
390170	20-90-220X	12	19/25	0.086	2.18	45	1.14	0.178	4.52	19	28	32	48	52
390180	20-90-240X	10	27/24	0.117	2.97	45	1.14	0.209	5.31	34	50	49	73	73
390190	20-90-260X	8	37/24	0.135	3.43	55	1.40	0.249	6.33	47	70	68	101	85
390200	20-90-280X	6	61/24	0.174	4.60	55	1.40	0.288	7.32	76	114	104	155	120
390210	—	5	91/24	0.242	6.15	55	1.40	0.356	9.04	116	173	149	222	160
390220	20-90-320X	4	105/24	0.262	6.65	55	1.40	0.376	9.55	137	204	172	256	168
390230	20-90-340X	3	125/24	0.285	7.24	55	1.40	0.399	10.14	167	249	201	299	199
390240	20-90-360X	2	150/24	0.307	7.80	55	1.40	0.421	10.69	190	283	230	343	214
390250	20-90-380X	1	225/24	0.380	9.65	65	1.65	0.514	13.06	287	427	357	531	268
390260	20-90-400X	1/0	275/24	0.410	10.41	65	1.65	0.544	13.82	351	522	424	631	304
389730	20-90-420X	2/0	325/24	0.470	11.94	65	1.65	0.604	15.34	407	606	485	722	338
390270	20-90-440X	3/0	450/24	0.549	13.94	65	1.65	0.683	17.35	594	884	667	993	414
390280	20-90-460X	4/0	550/24	0.593	15.06	65	1.65	0.727	18.47	696	1036	796	1185	472
390290	20-90-480X	262	650/24	0.630	16.00	105	2.67	0.844	21.44	820	1220	936	1393	524
389750	20-90-500X	313	775/24	0.685	17.40	105	2.67	0.899	26.30	987	1469	1113	1656	590
390300	20-90-520X	373	925/24	0.750	19.05	105	2.67	0.964	24.49	1176	1750	1315	1957	657
390310	20-90-540X	444	1100/24	0.820	20.83	105	2.67	1.034	26.26	1413	2103	1566	2330	734
390320	20-90-560X	535	1325/24	0.895	22.73	105	2.67	1.109	28.17	1697	2525	1894	2819	828

Dimensions and weights are nominal; subject to industry tolerances.

Note: 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.

Please consult Customer Service for price and delivery.

Product Construction

Conductor:

- 20 AWG thru 535 kcmil soft annealed tinned copper per ASTM B-33, B-8 and B-172

Insulation:

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

Print:

- GENERAL CABLE BRAND REX BRAND (WC) POLYRAD XT-TX XXAWG 2000V NYCTA TX 20-90-XXXX DAY/MONTH/YEAR
XXXX = NYCTA TX Stock Code - Last X is used to identify Insulation Color as listed below:
0 = Black, 1 = White, 2 = Red, 3 = Blue, 4 = Green, 5 = Orange, 6 = Yellow, 7 = Gray, 8 = Brown, 9 = Purple

Options:

- 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

- Cables meet NYCTA TX specification
- Temperature rating at 110°C
- 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:

- AAR S-501/AAR RP-585
- ICEA S-95-658

Flame Test:

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

Other:

- BSS 7239
- SMP 800-C
- ASTM E662
- Meets requirements of 49 CFR Part 238 for flame and smoke requirements

Packaging

- Standard reel put-up