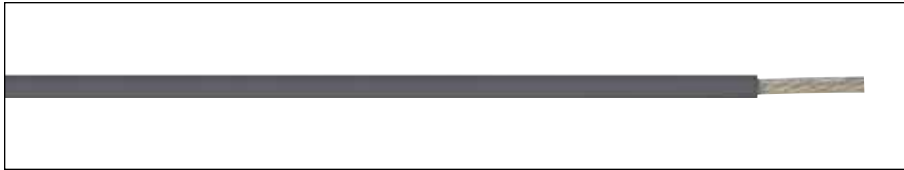


Polyrad® XT-TX Flexible Wire and Cable

600 V, Single Conductor, NYCT Type TX



Product Construction:

Conductor:

- 20 AWG thru 4/0 AWG 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® (WC) POLYRAD® XT-TX 1/C XXAWG 600 V NYCT TX 20-88-XXXX DAY/MONTH/YEAR
XXXX = NYCT 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 multi-conductor constructions
- 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 and off-road vehicles

Features:

- Cables meet NYCT TX specification
- Temperature rating at 125°C
- Excellent flexibility & free stripping
- 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/FT4 (70,000 BTU/hr)
- IEEE 383 (70,000 BTU/hr)
- VW-1

Other:

- Meets NYCT TX specification
- BSS 7239
- SMP 800-C
- ASTM E662
- NFPA-130 (2017) On-Vehicle

Packaging:

- Standard reel put-up

* For 14 AWG and larger

POLYRAD® XT-TX 600 V

CATALOG NUMBER	NYCT TYPE TX STOCK CODE NUMBER	CONDUCTOR (AWG/kcmil) SIZE AND STRANDING		NOMINAL CONDUCTOR DIAMETER		MINIMUM AVERAGE INSULATION THICKNESS		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	
389980	*	20	19/32	0.038	0.97	30	0.76	0.100	2.54	4	6	9	13	15
389990	20-88-150X	18	19/30	0.048	1.22	30	0.76	0.110	2.79	6	9	12	18	17
389740	20-88-170X	16	19/29	0.054	1.37	30	0.76	0.116	2.95	8	13	13	19	23
390000	20-88-190X	14	19/27	0.067	1.70	30	0.76	0.129	3.28	12	18	18	27	39
390010	20-88-210X	12	19/25	0.086	2.18	30	0.76	0.148	3.76	19	28	27	40	51
390020	20-88-230X	10	27/24	0.117	2.97	30	0.76	0.179	4.55	34	50	43	64	67
390030	20-88-250X	8	37/24	0.135	3.43	45	1.14	1.227	5.77	47	70	63	94	85
390040	20-88-270X	6	61/24	0.174	4.42	45	1.14	0.266	6.75	76	114	97	144	120
390050	*	5	91/24	0.242	6.15	45	1.14	0.334	8.48	116	173	141	210	151
390060	20-88-290X	4	105/24	0.262	6.65	45	1.14	0.354	8.99	137	204	164	244	160
390070	20-88-310X	3	125/24	0.285	7.24	45	1.14	0.377	9.58	167	249	193	287	199
390080	20-88-330X	2	150/24	0.307	7.80	45	1.14	0.399	10.14	190	283	220	327	214
390090	20-88-380X	1	225/24	0.380	9.65	55	1.40	0.494	12.55	287	427	349	519	247
390100	*	1/0	275/24	0.410	10.41	55	1.40	0.524	13.31	351	522	417	621	286
390110	*	2/0	325/24	0.470	11.94	55	1.40	0.584	14.83	407	606	474	705	329
390120	*	3/0	450/24	0.549	13.94	55	1.40	0.663	16.84	594	884	655	975	380
390130	20-88-460X	4/0	550/24	0.593	15.06	55	1.40	0.707	17.96	696	1036	774	1152	446

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.

* Sizes without NYCT Type TX stock code numbers are not listed in the NYCT TX specification.

Color Code Chart

(Including but not limited to)

ORDERING SUFFIX	COLOR	ORDERING SUFFIX	COLOR
00	Dark Gray	05	Green
02	Red	08	Light Gray
04	Yellow	09	White

