

Polyrad® XT Multi-Conductor Cable

600 V, 125°C, Shielded

General Cable manufactures an extensive array of cables to support the many and diverse applications of transit infrastructures. To meet the needs of the evolving transit and locomotive industry, General Cable consistently brings new innovative cabling concepts to market with better technology, superior safety, easier and faster installation and extended performance. Polyrad® XT multi-conductor shielded rapid transit and locomotive car cables are rated at 125°C and 600 Volt.

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)
- Color Code: Method 1, E1

Shield:

- Tinned copper braid; 85% min. coverage

Jacket:

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

Print (Including but not limited to):

- GENERAL CABLE® (WC) POLYRAD® XT XX/COND XXAWG SHIELDED 125°C 600 V DAY/MONTH/YEAR

Options:

- Available in E2 or Method 4 color codes
- Foil shield with drain wire
- 2000 V

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



Applications (cont'd.):

- Engineered and manufactured for both original equipment and retrofit use in electronic equipment
- Extensively found on all types of heavy- and light-rail cars, rapid transit cars, diesel-electric locomotives, freight cars and off-road vehicles

Features:

- Temperature rating at 125°C for long life, higher ampacities and protection from thermal overloads
- Excellent flexibility and free stripping
- Outstanding thermal stability at elevated temperatures
- Maximum flame retardance
- Excellent low-temperature performance; suitable for installation in sub-zero conditions
- Extra-tough, mechanically rugged irradiated thermoset insulation and jacket
- Resistant to most oils and chemicals

Compliances:

- Industry:**
 - ICEA S-95-658
- Flame Test:**
 - IEEE 1202/FT4 (70,000 BTU/hr)
 - IEEE 383 (70,000 BTU/hr)
 - VW-1
- Other:**
 - BSS 7239
 - SMP 800-C
 - ASTM E662
 - NFPA-130 (2017) On-Vehicle
 - RoHS and REACH Compliant

Packaging:

- Standard reel put-up

* For 14 AWG and larger

The multi-conductor cables shown in the following tables are merely a sampling of General Cable's wide range of products. Other conductor sizes, designs and/or specific installation requirements are available to meet virtually all the cabling needs of the transit and locomotive industry. For more information, contact General Cable's Transit inside sales at info@generalcable.com.

TWO CONDUCTOR POLYRAD® XT 600 V SHIELDED - 36 AWG TINNED COPPER BRAID - 85% MINIMUM COVERAGE

CATALOG NUMBER	AWG		INSULATED DIAMETER		JACKET THICKNESS		CABLE DIAMETER		NET CABLE WEIGHT	
	SIZE	STRANDING	INCHES	mm	MILS	mm	INCHES	mm	LBS/1000'	kg/km
324680	20	19/32	0.098	2.49	45	1.14	0.315	8.0	59	88
376760	18	19/30	0.108	2.74	45	1.14	0.330	8.4	63	94
373770	16	19/29	0.114	2.90	45	1.14	0.345	8.8	73	109
412170	14	19/27	0.127	3.23	45	1.14	0.370	9.4	86	130
373750	12	19/25	0.146	3.71	45	1.14	0.410	10.4	109	162

THREE CONDUCTOR POLYRAD® XT 600 V SHIELDED - 36 AWG TINNED COPPER BRAID - 85% MINIMUM COVERAGE

374360	20	19/32	0.098	2.49	45	1.14	0.325	8.3	68	88
387460	18	19/30	0.108	2.74	45	1.14	0.345	8.8	72	94
373780	16	19/29	0.114	2.90	45	1.14	0.360	9.2	87	130
412180	14	19/27	0.127	3.23	45	1.14	0.390	9.7	108	161
373760	12	19/25	0.146	3.71	45	1.14	0.430	10.9	139	162

FOUR CONDUCTOR POLYRAD® XT 600 V SHIELDED - 36 AWG TINNED COPPER BRAID - 85% MINIMUM COVERAGE

412190	20	19/32	0.098	2.49	45	1.14	0.355	9.0	81	121
387570	18	19/30	0.108	2.74	45	1.14	0.380	9.7	85	127
387070	16	19/29	0.114	2.90	45	1.14	0.390	9.9	106	158
412200	14	19/27	0.127	3.23	45	1.14	0.420	10.7	131	195
412210	12	19/25	0.146	3.71	45	1.14	0.465	11.8	176	262