

# Polyrad® XT Transit Databus Cables

## Multi Vehicle Bus (MVB)/Wire Train Bus (WTB)

General Cable offers a wide variety of transit data communications cables that meet UL 1581 VW-1 flammability requirements, ASTM E662 smoke density, and Boeing BSS 7239 and Bombardier SMP 800-C toxicity standards. Transit data communications cables are produced in multi-conductors, coaxial, and shielded twisted pairs. Our high-quality products are engineered with outstanding thermal stability at elevated temperatures as well as excellent performance in sub-zero conditions. An extra-tough irradiated thermoset jacket provides resistance to most oils, chemicals, and moisture but still allows for flexibility and free stripping. General Cable also has the ability to design products specifically catered to individual customer needs and requirements.



**Product Construction:**

**Conductor:**

- 20 AWG thru 12 AWG soft annealed tinned copper per ASTM B33, B8 and B172

**Insulation:**

- Low-smoke irradiated Cross-linked Polyolefin (XLPO)

**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 XXX OHM 110°C 600 V DAY/MONTH/YEAR

**Options:**

- Other data communications cables available upon request

**Applications:**

- Ideally suited for use where specific and stable electrical values are required
- Engineered and manufactured for both original equipment and retrofit use in electronic equipment

**Features:**

- Excellent flexibility and free stripping
- Outstanding thermal stability at elevated temperatures
- Excellent low-temperature performance; suitable for installation in sub-zero conditions
- Extra-tough, mechanically rugged irradiated thermoset jacket
- Resistant to most oils and chemicals

**Compliances:**

**Flame Test:**

- VW-1

**Other:**

- NFPA-130 (2017) On-Vehicle
- BSS 7239
- SMP 800-C
- ASTM E662
- RoHS and REACH Compliant

**Packaging:**

- Standard reel put-up

The data communications 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](mailto:info@generalcable.com).

**100 OHM SHIELDED DATA CABLE**

CATALOG NUMBER	AWG		NUMBER OF CONDUCTORS	INSULATED DIAMETER		JACKET THICKNESS		CABLE DIAMETER		NET CABLE WEIGHT	
	SIZE	STRANDING		INCHES	mm	MILS	mm	INCHES	mm	LBS/1000'	kg/km
<b>387090</b>	20	19/32	2	0.092	2.34	45	1.14	0.305	8.0	55	82

Shield: 36 AWG Tinned Copper Braid - 95% Minimum Coverage

Color Code: Yellow, White

<b>387550</b>	16	19/29	2	0.154	3.91	45	1.14	0.425	10.8	63	150
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Shield: 36 AWG Tinned Copper Braid - 95% Minimum Coverage + Aluminum/Mylar Tape

Color Code: Yellow, White

**120 OHM SHIELDED DATA CABLE**

<b>329960</b>	20	19/32	2	0.114	2.90	45	1.14	0.342	8.7	62	92
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Shield: 36 AWG Tinned Copper Braid - 90% Minimum Coverage

Color Code: Black, White

<b>387540</b>	18	19/30	2	0.173	4.40	45	1.14	0.460	11.7	99	147
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Shield: 36 AWG Tinned Copper Braid - 95% Minimum Coverage + Aluminum/Mylar Tape

Color Code: Yellow, White

<b>388500</b>	18	19/30	3	0.173	4.40	45	1.14	0.470	11.9	83	124
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Shield: Aluminum/Mylar Tape + 22 AWG 7/30 Tinned Copper Drain Wire

Color Code: White, Red, Green

