

Polyrad® XT Transit Databus Cables

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

Prysmian 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. Prysmian 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):

- PRYSMIAN (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 Prysmian'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 Prysmian's Transit inside sales at 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
387090	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

387550	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

329960	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

387540	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

388500	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