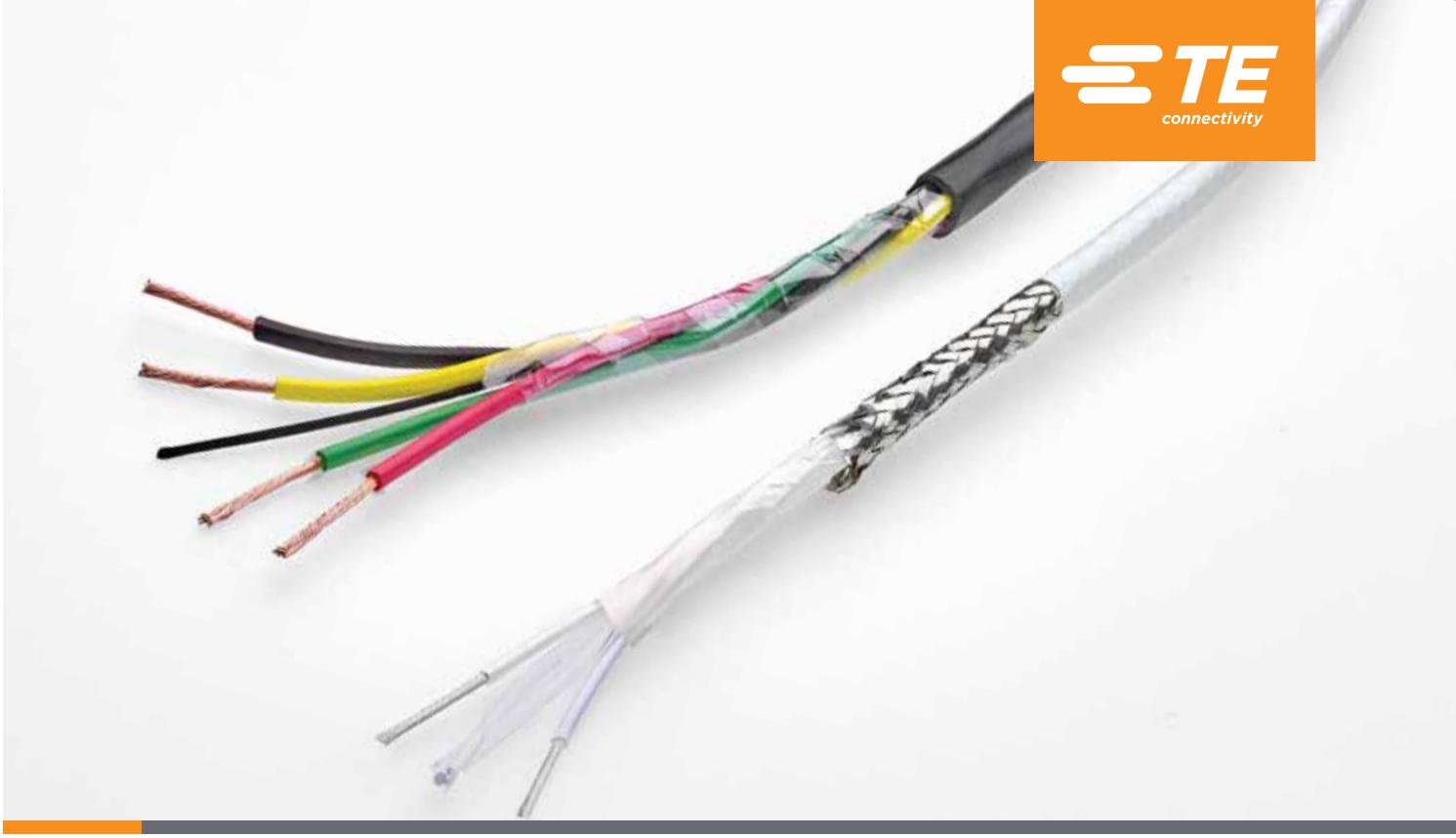


Raychem CANbus Cable

HIGH PERFORMANCE
- High performance, 120Ω twisted pair
- Shielded and unshielded variations available
- Easier to terminate when compared to tape-wrap designs
- Custom variations available upon request

RUGGED
- Constructions available meeting SAE J1939 and SAE J1939-11 and -15 requirements
- Flexible design
- Abrasion resistant

SPACE AND WEIGHT SAVINGS
- Easier routing through a system
- Gage availability: 18-26 AWG

APPLICATIONS
- Military Ground Systems
- Military and Commercial Aerospace
- Marine
- Flight Control
- Glass Cockpit
- Aircraft Galleys (GalleyCAN)

TE Connectivity's (TE) Raychem CANbus (Controller Area Network) cables offer speeds up to 1 Mb/s for your Military Ground system, Marine & Aerospace environments

TE's CANbus cables are designed to provide speeds up to 1 Mb/s. Designed in accordance with the J1939 requirements, we offer cables to both J1939-11 and -15 for military ground vehicles. In addition to the J1939 CANbus cables, we offer designs which cater to marine and aerospace applications as well. Our ruggedized constructions provide customers a solution which withstands most harsh environmental exposures.

High-Speed Cable for CANbus Applications

High-Speed Data Transmission in Military Ground Systems, Marine, and Military and Commercial Aerospace

Specifications

MATERIALS

- **Conductors:** Bare copper, Tin-coated copper, Silver-coated copper, Silver-coated high-strength copper alloy and Nickel-coated high-strength copper alloy
- **Dielectric:** Foamed FEP and XL foamed PE (including Rayfoam FS and Rayfoam M materials)
- **Core Wrap:** Aluminum/PET/Aluminum (J1939-11)
- **Shielding:** Tin-coated copper, Silver-coated copper, Nickel-coated copper, or Unshielded
- **Outer Jackets:** Zerohal, Thermorad modified PVDF, Laser markable FEP, and FEP

Part Description	Temperature Range (°C)	Jacket OD (in/mm), Nom.
Mil Aero / Com Aero / Ground Systems		
CBS-22CN21-21M	-65 to 150°C	0.170 / 4.318
CBS-24CN21-21M	-65 to 150°C	0.147 / 3.734
CBS-24CN21-41M	-65 to 150°C	0.160 / 4.064
CBS-24C621-43M	-65 to 200°C	0.160 / 4.064
1726A1424	-65 to 200°C	0.123 / 3.124
2024J2424	-65 to 150°C	0.143 / 3.632
2022H4424	-65 to 150°C	0.192 / 4.877
2026H242A	-65 to 200°C	0.123 / 3.124
2026G2424	-65 to 200°C	0.115 / 2.921
2024V8424	-65 to 150°C	0.156 / 3.962
2022Y1422	-65 to 200°C	0.191 / 4.851
Marine / Ground Systems		
CBS-22C182-M18	-30 to 105°C	0.278 / 7.061
Vehicle Bus Systems		
2019E0309 (J1939-15)	-55 to 125°C	0.209 / 5.309
2020D0309 (J1939-15)	-55 to 125°C	0.226 / 5.740
2020B0309 (J1939-15)	-55 to 125°C	0.208 / 5.283
2021D0309 (J1939-11)	-55 to 125°C	0.294 / 7.468
2019D0309 (J1939-11)	-55 to 125°C	0.388 / 9.855
2021E0309 (J1939-11)	-55 to 125°C	0.256 / 6.502

Additional constructions and custom designs available upon request - please contact your local Account Representative for questions

- **Available Jacket Colors:** black, white, brown, red, orange, yellow, green, blue, violet, gray and clear (translucent variations available) – dependent on jacket material

ELECTRICAL

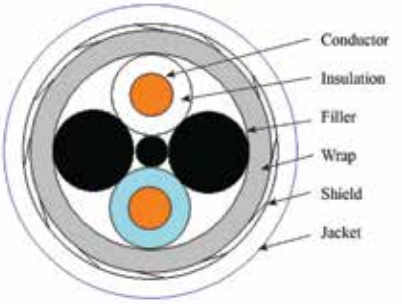
- Standard Impedance: 120Ω +/- 10%

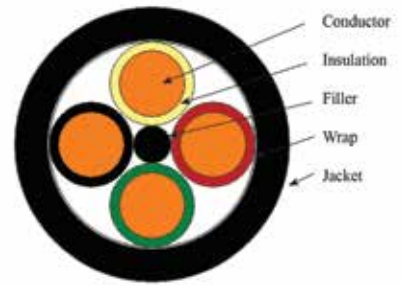
STANDARDS/SPECIFICATIONS

- **In accordance with SAE J1939-11, -15, ARINC GalleyCAN**
- **Flammability:** FAR Part 25, Appendix F, Part 1 (aerospace applications)
- **Smoke Density and Toxicity:** BSS7238 and BSS7239 (aerospace applications)

ENVIRONMENTAL

- **Temperature Range:** -65°C up to +200°C (dependent on construction)





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