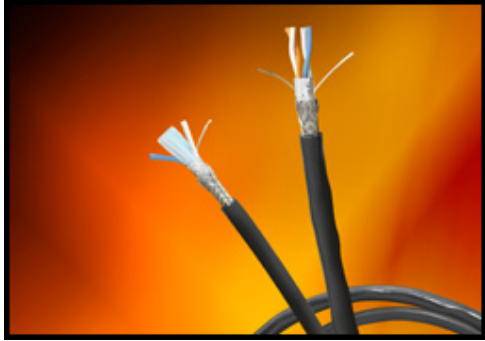


Belden Solutions for CANopen Applications Help to Provide Superior Performance



CANopen is a serial bus, higher layer protocol that was developed for standardized embedded networks with highly flexible configuration capabilities. CANopen is used for motion-oriented machine control networks and is used in various application fields such as medical equipment, off-road vehicles, maritime electronics, railway applications or building automation.



EIA-485 Cables

CANopen utilizes EIA-485 cables. Traditionally, EIA-485 transmission in plenum applications required conduit to protect the cable, but Belden offers EIA-485 cables that are CMP listed, they offer flame and smoke protection performance, and they are able to run in a plenum without conduit - without sacrificing electrical performance.

EIA-485 Cable -24 AWG Stranded (7x32) Tinned Copper Conductors, Overall Beldfoil® (100% Coverage) + TC Braid Shield (90% Coverage) - Non-plenum

[9841](#) 1-Pair, Polyethylene Insulation, Chrome PVC Jacket, Drain Wire, UL AWM Style 2919, 30V 80°C, DMX 512

[9842](#) 2-Pair, Polyethylene Insulation, Chrome PVC Jacket, Drain Wire, UL AWM Style 2919, 30V 80°C, DMX 512

[9843](#) 3-Pair, Polyethylene Insulation, Chrome PVC Jacket, Drain Wire, UL AWM Style 2919, 30V 80°C, DMX 512

[9844](#) 4-Pair, Polyethylene Insulation, Chrome PVC Jacket, Drain Wire, UL AWM Style 2919, 30V 80°C, DMX 512

EIA-485 Cable -24 AWG Stranded (7x32) Tinned Copper Conductors, Overall Beldfoil (100% Coverage) + TC Braid Shield (90% Coverage) - Plenum

[82841](#) 1-Pair, Foam FEP Insulation, Natural Flammarest® Jacket, Drain Wire, 300V RMS

[82842](#) 2-Pair, Foam FEP Insulation, Natural Flammarest® Jacket, Drain Wire, 300V RMS

[89841](#) 1-Pair, Foam FEP Insulation, Red FEP Jacket, Drain Wire, 300V RMS

[89842](#) 2-Pair, Foam FEP Insulation, Red FEP Jacket, Drain Wire, 300V RMS

Belden Infinity® Flexible Automation Cable -24 AWG Stranded (41x40) Bare Copper Conductors, Twisted Pairs, Overall Beldfoil (100% Coverage) + TC Braid Shield (85% Coverage)

[7200A](#) 1-Pair, Foam Polyethylene Insulation with Skin, Green Oil-resistant PVC Jacket, 300V 60°C

[7201A](#) 2-Pair, Foam Polyethylene Insulation with Skin, Green Oil-resistant PVC Jacket, 300V 60°C

[7202A](#) 3-Pair, Foam Polyethylene Insulation with Skin, Green Oil-resistant PVC Jacket, 300V 60°C

[7203A](#) 1-Pair, Foam Polyethylene Insulation with Skin, Green Oil-resistant PVC Jacket, 300V 60°C

[7206A](#) 1-Pair, Foam Polyethylene Insulation with Skin, Green Oil-resistant PVC Jacket, 300V 60°C

EIA-485 PLTC Cable -22 AWG Stranded (7x30) Tinned Copper Conductors, Overall Beldfoil (100% Coverage) + TC Braid Shield (90% Coverage), Drain Wire - Non-plenum

[3105A](#) 1-Pair, Datalene Insulation, Black UV-resistant PVC Jacket, 300V, DMX 512

[3106A](#) 1.5-Pair, Datalene Insulation, Black UV-resistant PVC Jacket, 300V

[3107A](#) 2-Pair, Datalene Insulation, Black UV-resistant PVC Jacket, 300V, DMX 512

[3108A](#) 3-Pair, Datalene Insulation, Black UV-resistant PVC Jacket, 300V

[3109A](#) 4-Pair, Datalene Insulation, Black UV-resistant PVC Jacket, 300V

Custom cables are available upon request which can utilize any number of construction features such as:

- Armoring: Aluminum Interlock, Steel Interlock, and Continuous Corrugated Aluminum
- Armor Tapes: Corrugated Copper, Aluminum, and Steel
- Jackets: PVC, CPE, LDPE, TPE, HDPE, Fluorocopolymer, Oil Res II, Low Smoke Zero Halogen (LSZH), Haloarrest®, and Polyurethane
- Shielding: Overall Beldfoil®, Duofoil®, TC Braid, TC Double Braid, Individual Beldfoil Copper Tape Shields, and “French Braid”
- Insulations: Datalene®, XLPE, FEP, Polypropylene, Foam FEP, HDPE, PVC, TPE, and PVC-Nylon
- Conductors: Solid BC, Stranded BC, Solid Bare Copper-covered Steel, and Stranded TC

Lumberg Automation Connectivity

The Lumberg line includes the following connectivity products for CANopen application:

- Centralized I/O distribution systems
 - e2c 20, IP20 rated
- Decentralized I/O distribution systems
 - LioN-Link, IP67 rated
- Fieldbus I/O modules
 - LioN-S
- Field-attachable connectors
- Overmolded cordsets (Micro - M12)

See also [Lumberg Automation](#).

For information on other protocols see our [Industrial PLC/DCS Cable Cross-reference](#).