

INDUSTRIAL AUTOMATION CABLES

FIELDBUS SYSTEMS: PROFIBUS® / FIELDBUS® / DEVICENET®



APPROVALS:



APPLICATIONS: Lake Cable's automation products are engineered for Fieldbus Systems and utilized in various protocols. Suitable for fixed installation, indoor and outdoor, on racks and in conduits. These products are utilized in industries such as automated warehousing and picking facilities (Amazon®, Google®, FedEx®), petrochemical, pharmaceutical, biotech, food and beverage, robotic assembly facilities, pulp and paper, wastewater treatment plants, metal fabricating and mining. Profibus®, Fieldbus® and Devicenet® cables are engineered and manufactured to the rigid requirements of IEC, CSA and UL standards.

STANDARDS:

- IEC 61158-2 and 60079, UL 13, 444, 2250, plus 1569 for interlocked armor.
- Flame retardancy according to IEC 60332-3-24 or UL 1685.
- Smoke and acid gas according to IEC 60754 Part 1 & 2 and 61034-2.
- UL 1277 for TC-Rated products; PLTC.
- ABS Approved Marine Shipboard Cable per UL1309.
- CSA Standards C22.2 No. 245, No. 239-09 CIC, ACIC, No. 230-09 TC, No. 210-11 AWM Class I/II Group A/B

All Lake Cable products and materials are proudly made in the USA.

PROFIBUS® - DP/PA

Maximum Operating Voltage 300V RMS

APPLICATION:

Control of modern automated warehousing systems (Amazon®, Google®, FedEx®), components and devices. Used in process controls for automated manufacturing of pharmaceuticals, petrochemicals and industrial manufacturing. Control of robotic equipment and devices in all industries. Available with either characteristic impedance of 100Ω (PA) or 150Ω (DP) ISA/SP-50.

- (1) Pair Flexible Stranded or Solid Tinned Copper with Foamed PE Insulation
- Dual-Shielded AL/PET Foil Shield and Tinned Copper Braid with Tinned Copper Drain Wire
- PVC Jacket; Blue Jacket (PA), Violet Jacket (DP)
- Siemens® Style Profibus Cable also available (Fastconnect)



FIELDBUS®

Maximum Operating Voltage 600V RMS

APPLICATION:

Control of modern automated warehousing systems (Amazon®, Google®, FedEx®), components and devices. Used in process controls for automated manufacturing of pharmaceuticals, petrochemicals and industrial manufacturing. Control of robotic equipment and devices in all industries. Characteristic impedance 100Ω.

- (1) Pair Flexible Stranded Tinned Copper with XLPE Insulation
- Dual-Shielded AL/PET Foil Shield and Tinned Copper Braid with Tinned Copper Drain Wire
- Orange or Yellow PVC Jacket
- ABS Approved Marine Shipboard Cable



DEVICENET®

Maximum Operating Voltage 300V RMS

APPLICATION:

Control of modern automated warehousing systems (Amazon®, Google®, FedEx®), components and devices. Used in process controls for automated manufacturing of pharmaceuticals, petrochemicals and industrial manufacturing. Control of robotic equipment and devices in all industries. Characteristic impedance 120Ω.

- Thick Design (1) Shielded Twisted Pair 15AWG Stranded Tinned Copper plus (1) Shielded Twisted Pair 18AWG Stranded Tinned Copper
- Thin Design (1) Shielded Twisted Pair 22AWG Stranded Tinned Copper plus (1) Shielded Twisted Pair 24AWG Stranded Tinned Copper
- Dual-Shielded Foil Shielded with DuoFoil® and Tinned Copper Braid Shield and Common Tinned Copper Drain Wire
- Gray PVC Jacket



DeviceNet Flat is currently in development for Q4 2016



Call: 888.518.8086
Visit: lakecable.com

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