

News Release

**From: Belden
Berry Medendorp
+31 77 387 8555**

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Belden introduces new cables for Process Automation applications

Leading international supplier of signal transmission solutions Belden, recently introduced new BUS cables for Automation networks. As a result, the cables are being widely adopted by industrial users for the Process Industry and Factory Floor Automation.

Belden recently introduced three new ranges of Process Automation (PA) cables for use in instrumentation, regulation and control technologies. PROFIBUS PA technology allows safe transmission of data and power on the line. This enables the user to expand the possibilities of a state-of-the-art control system.

‘Since they were introduced to the industrial market,’ says Belden Market Manager Industrial EMEA Erik Holzwildner, ‘The cables have been widely installed in many key sectors, such as the oil & gas industry, chemical processing, paper & pulp manufacturing and processing and the metals industry.’

The new ranges are:

- 7000x series of PROFIBUS PA cables for process automation
- LSNH & LSNH/armoured DeviceNet cables
- Circuit integrity PLTC cables complying to UL and IEC standards.

7000x series of PROFIBUS PA cables for process automation

The Belden 7000x Series is aimed at process automation systems designed by Siemens for the processing industry. The range includes 2 PVC versions, an LSNH version and an LSNH/SWA (Steel Wire Armoured) version.

These cables meet all requirements of IEC 61158-2 FieldBus for use in industrial control systems and are suitable for use in hazardous areas zone 1 and 2, group II, as defined in IEC 60079-14 or class I or class II division 2 as per NEC 501.4 (b) or NEC 502.4 (b). All versions are oil resistant and are suitable for use in demanding industrial environments. Other jacket options such as PUR or Teflon or different armouring options such as steel wire braid are available upon request.

LSNH & LSNH/armoured DeviceNet cables

Belden already offers one of the largest selections of DeviceBus available on the market today. The new Belden halogen free versions of DeviceBus cables are suitable for use in ODVA DeviceNet networks and meet IEC 60332-3-24 standards. The LSNH versions may be used for indoor and outdoor applications and at low temperatures of up to -45°C. For enhanced mechanical protection and/or rodent protection, Steel Wire Armoured versions are available as are other jacket options such as PUR or Teflon or different armouring options such as steel wire braid. .

Circuit integrity PLTC cables complying to UL and IEC standards

New Belden 300 V instrumentation cables meet the UL 2196 and IEC 60331 Standards for circuit integrity. This is very important in the processing industry to prevent loss of assets in the event of fire. These cables can be used in the emergency shutdown system as well as in the gas / fire detection systems.

The Standards prescribe the minimum time which the cables will have to withstand, UL 2196 2 hour rapid temperature rise fire starting at 538°C (1000°F) to 1010°C (1850°F) and IEC 60331 calls for a 3 hour burn test at 750°C during which time the insulation is not allowed to fail. These cables are standard halogen free and are suitable for in and outdoor applications. In addition, they can be used in hazardous areas zone 1 and 2, group II, as defined in IEC 60079-14 or class I or class II division 2 as per NEC 501.4 (b) or NEC 502.4 (b).

All these new products complement the full range of Belden PROFIBUS PA cables and Halogen Free DeviceNet cables. According to Erik Holswilder, Market Manager Industrial EMEA at Belden, they meet the wide variety of requirements in instrumentation, regulation and control technologies: He adds, "Process Automation is used extensively by heavy industries who manufacture in continuous process. Over the years, pneumatic systems have migrated to 4- 20 mA systems and proprietary solutions; today they use open digital systems. The Belden range of Process Automation cable solutions offers cost, quality and performance benefits to everyone in the value chain -manufacturers, global companies with assets in multiple countries, main instrument builders (MIVs) and EPC contractors."

About Belden

Belden is a leader in the design, manufacture, and marketing of signal transmission products for data networking and a wide range of specialty electronics markets including entertainment, industrial, security and aerospace applications. Belden has manufacturing facilities in North America and Europe as well as distribution centers in the U.S., Canada, Singapore, Australia and the Netherlands. A majority of Belden's manufacturing, engineering and support functions are registered to the International Organization for Standardization.

For more information about Belden, please visit www.belden-emea.com

For further information, please contact:

Nancy van Heesewijk

EMG

Lelyweg 6

4612 PS Bergen op Zoom

The Netherlands

Tel: +31 164 317 018

Fax: +31 164 317 039

E-mail: nvanheesewijk@emg.nl

www.emg.nl

Berry Medendorp

Belden

Tel: +31 77 387 8555

Fax: +31 77 387 8488

E-mail: berry.medendorp@belden.com



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This press release and relevant photography can be downloaded from

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Alternatively for very high resolution pictures please contact Nancy van Heesewijk

(nvanheesewijk@emg.nl, +31 164 317 018)