BRADY

Case Study

Fast automated cable identification

An international cable assembly manufacturer automated cable identification to deliver increased volumes of data centre cable assemblies labelled to customer specifications.

Enable traceability in **5** seconds per cable

Case Study Overview

Challenge
Enable traceability for more cables

Solution
Automated print and apply in 5 seconds

Result
Cable labelling at production pace

Challenge

Enable traceability for more cables

A growing demand for its data centre cable assemblies considerably increased cable volumes processed by an international cable assembly manufacturer.

Success now presented the company with a challenge in cable traceability. Labelling the large and increasing volumes of cables to support customers' cable traceability needs was becoming a labour-intensive bottleneck that could slow down production output.

The company wanted to further increase data centre cable assembly production, and started looking for solutions to identify cables faster, and in a reliable way.

Why Brady?

Brady offers solutions that deliver in the workplace. Just like our labels, we stick with our customers to solve real issues using reliable solutions that identify people, products and premises.

www.bradyeurope.com

Solution

Automated print and apply in 5 seconds

To speed up reliable cable identification, Brady proposed the Wraptor A6500, an automated system that can print and wrap labels around cables in 5 seconds. Labels are printed in high resolution and stay attached, even when exposed to heat and humidity, in order to provide optimal cable traceability.

Print and wrap in 5 seconds

The Wraptor A6500 prints reliable labels in high resolution and wraps them around cables automatically, all within 5 seconds per cable.

Without mechanical adjustments, any wire, wire bundle and cable with a diameter between 1.52 and 15.24 mm can be inserted in the Wraptor A6500 for automated labelling.

When a cable is inserted, the system provides fast and consistent label printing and wrapping without wrinkles or bubbles and is easily 3 times faster than manually printing and applying labels to cables.

Brady demonstrated the Wraptor A6500 at the customer's facility to show how much time could be saved, and how cable traceability could be ensured at production pace.

Flexible data input

The Wraptor A6500 offers multiple ways to input label data for printing. Options include direct input via the system's full colour touch screen, USB-keys, work orders, spreadsheets and company ERP-systems.

While the Wraptor A6500 can operate as a standalone unit, some of the more advanced data sourcing options become available via the system's ethernet and USB-ports, and in combination with Brady Workstation apps such as Scan and Print or Data Automation.

At the international cable assembly manufacturer, the Wraptor was integrated into existing systems to enable ideal print data sourcing and automation.

Reliable cable labels

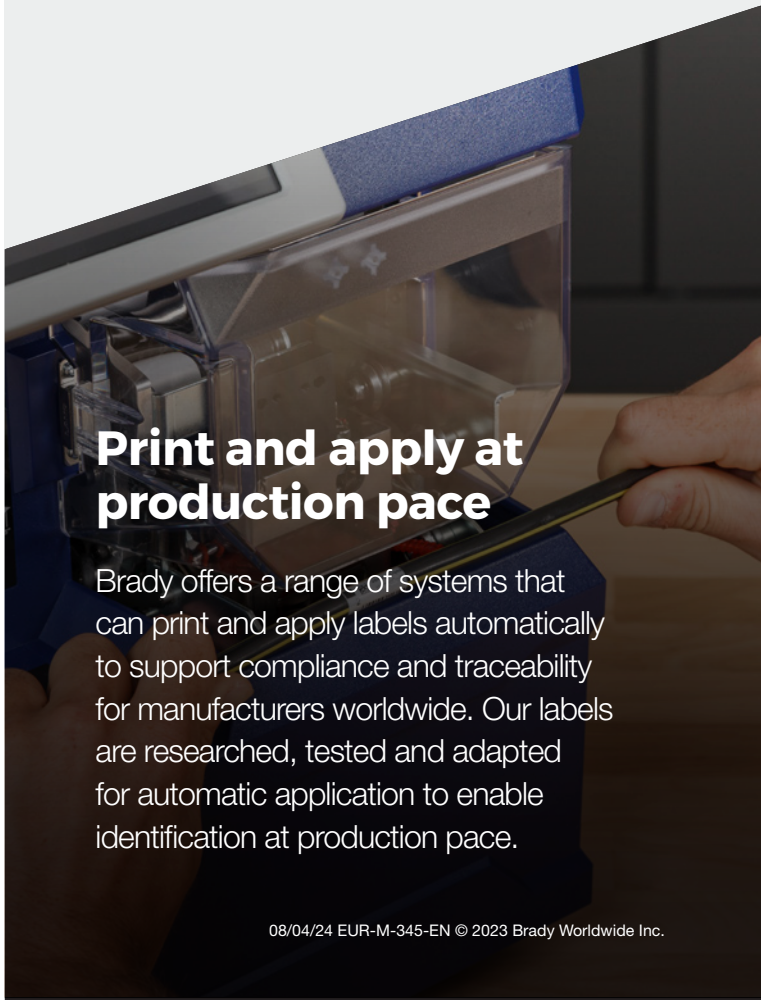
The cable assembly manufacturer selected Brady's reliable B-499 nylon cloth cable wraparound label, available as a consumable for the Wraptor A6500. The label is designed for auto-apply and for optimal adherence to cables, and it offers great humidity and temperature resistance to keep cables identified.

In addition, the label can be printed right up to its edges. The cable assembly manufacturer prints unique identifiers on the entire height of the label, to make them visible from any angle when the label is applied to a cable.

Results

Cable labelling at production pace

The international cable assembly manufacturer can now optimally scale cable labelling to meet customers' traceability needs while keeping pace with increasing production volumes. In a single facility, the company went from 1 to 5 Wraptor A6500 units in 6 months. Together with a Brady partner, the company bringing Wraptors inline with Schleuniger cut & strip systems to further automate core cable harness production processes.



Print and apply at production pace

Brady offers a range of systems that can print and apply labels automatically to support compliance and traceability for manufacturers worldwide. Our labels are researched, tested and adapted for automatic application to enable identification at production pace.