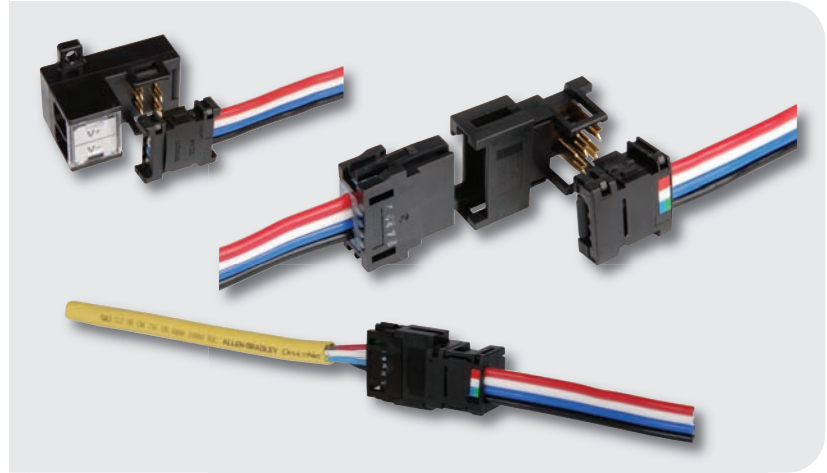# KwikLink™ Lite DeviceNet™ Media

Low-cost IP20 physical media system for DeviceNet
that reduces installation time by 86%

As a global leader in industrial networking technology, Rockwell Automation offers a wide variety of DeviceNet-compatible components ranging from logic engines to field devices and the cabling between. The complete range of Allen-Bradley DeviceNet physical media products – from standard round media solutions to the revolutionary KwikLink flat media – provides simple, rugged, cost-effective solutions for a broad range of industrial applications. Rockwell Automation now introduces KwikLink Lite, a new low-cost ODVA™ approved solution that simplifies setup and installation while delivering tangible savings in set-up and commissioning time.

New KwikLink Lite media and connectors provide a new approach to installing DeviceNet networks, saving both time and money through Insulation Displacement technology. Combining new cabling options with existing proven products and ready-made diagnostics puts the power of DeviceNet within your easy reach – bringing simplicity to network architecture. This new physical media makes DeviceNet wiring and cable installation both quick and easy, and extends the network into light-duty, IP20-rated applications.

The compact KwikLink Lite crimp-connectors use insulation displacement technology that allows network cables to be terminated in seconds, not minutes. Nodes can be easily added anywhere along the trunk line in less than one minute without conductor stripping, screws, or terminating – minimizing the potential for wiring errors and troubleshooting. Additionally, KwikLink Lite supports the intermixing of DeviceNet cable types such as thin round cable with the flat cable system.

For more information, visit:
www.ab.com/sensors/products/
devicenet/kwikLinklite.html

Features:
- IP20 Flat Media – 4 conductor, unsheathed
- KwikLink Lite Insulation Displacement Connectors (IDC)
  - Trunk-Line Connector IDC
  - Drop-Line Connector IDC
  - 5-pin Open Style Connector IDC
  - Terminating Resistor IDC
  - Terminal Block IDC
  - Flat to Thin Media Converter IDC - New Flat Media to existing KwikLink General Purpose Thin Round Media converter
- Crimping Tool
  - Crimping tool is designed to provide exact crimping height and width so excessive force is not applied, damaging the connector, or too little causing an intermittent connection.

Benefits:
- Insulation Displacement Connectors provide easy installation and minimal labor.
- Reduces installation time by over 86% when compared to other manual terminations. Connectors can be assembled in less than 1 minute, where other DeviceNet solutions take anywhere from 3 to 9 minutes to assemble a node.
- There is no cable or conductor stripping, screws, or terminating – minimizing potential for wiring errors and troubleshooting.
- Commissioning and start-up time is reduced, improving overall time to market.
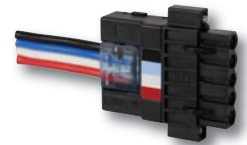
LISTEN.
THINK.
SOLVE.

Allen-Bradley • Rockwell Software

Rockwell
Automation

General Ordering Information

KwikLink Lite IP20 Flat Media Cable Spools

Jacket Material	Conductors	Assembly Rating	Operating Temperature	Storage Temperature	Cat. No.
IP20 Flat Media	4	300V	-10 to + 50°C	-10 to + 80°C	**1485C-P1W***

* Replace symbol with 100 (100 m), 300 (300 m), 600 (600 m) for cable spool lengths

KwikLink Lite Connectors

Description	Assembly Rating	Product Requirements	Cat. No.
Trunk Line Connector, IDC	30V DC, 4A	—	**1485P-K1TG4^**
Drop Line Connector, IDC	30V DC, 4A	Must connect with Trunk Line Connector (1485P-K1TG4)	**1485P-K1DL4^**
Terminating Resistor, IDC	30V DC, 4A	Must connect with Trunk Line Connector (1485P-K1TG4)	**1485P-K1TR4^**
Terminal Block, IDC	30V DC, 4A	—	**1485P-K1TLR4**
Flat to Thin Round Cable Converter, IDC	30V DC, 4A	Must connect with Trunk Line Connector (1485P-K1TG4)	**1485P-K1GK4^**
5-pin Open Style Connector, IDC	25V DC, 4A	—	**1485P-K1G4-Y5^** **Available April 2009 As a Replacement: 1799-DNETCON (Screw terminal)**

^ Sold in boxes of 10

KwikLink Lite Crimp Tool

Description	Cat. No.
Manual Crimp Tool	**1485A-KCRIMP**

KwikLink is a trademark of Rockwell Automation, Inc. DeviceNet and ODVA are trademarks of ODVA.

www.rockwellautomation.com