

Product Profile

KwikLink™ General Purpose Flat Media Expands the Flexibility of DeviceNet™ Cable Solutions

The Next Generation in Flat Media Connectivity

In 1998, Rockwell Automation introduced a revolutionary new media for DeviceNet. This new system, known as KwikLink, introduced a flat 4-wire unshielded trunk cable and a broad family of insulation displacement connectors. The result was a DeviceNet media system that reduced typical installed cost by as much as 50% while offering additional benefits including simplification of system expansion and reduced wiring errors.

The new KwikLink General Purpose micro style connector for DeviceNet is the latest addition to the growing family of DeviceNet connectivity options from Rockwell Automation.

About KwikLink General Purpose

Utilizing the same flat cable design pioneered by Rockwell Automation with the introduction of the original KwikLink system, KwikLink General Purpose connectors combine the flexibility and simplicity of their predecessor in a low profile, OEM-friendly package.

Connectors

Designed to interface drop cables to the flat cable trunkline with optimal plug-and-play capability at minimal cost, the KwikLink General Purpose connector's simple two-piece design results in a low profile housing and decreases installation time.

The connector snaps onto the flat cable at any point along the trunk. Contact is made with the cable's four conductors by tightening four screws that drive the contacts through the cable jacket into the conductors. Once installed, KwikLink General Purpose connectors should not be removed from the trunkline.

- 2-piece connector housing
- Micro device connection
- Single use only
- IP67 rated
- Low profile design, compact footprint



Flat Cable

While a variety of flat cable types are available, a new Class 2 rated flat cable has been designed for use with KwikLink General Purpose connectors. Using the same keyed profile as existing cables for KwikLink, this new cable is highly flexible for ease of installation and routing.

- Flexible Grey PVC jacket
- Class 2 rated
- Keyed profile prevents wiring mishaps

Accessories

A wide variety of accessories are available for use with the KwikLink General Purpose system, including micro terminators, micro sealing caps, flat cable end caps, flat cable mounts, and conduit adapters.

General Ordering Information

KwikLink General Purpose Connector



Description	Part Number
KwikLink General Purpose Connector	1485P-K1E4-R5

KwikLink General Purpose Flat Cable*



Description	Part Number
75m (246ft) spool	1485C-P1K75
200m (656ft) spool	1485C-P1K200
420m (1378ft) spool	1485C-P1K420

* NOTE: KwikLink General Purpose Flat Cable is NOT recommended for use with original heavy duty KwikLink connectors

KwikLink General Purpose Accessories



Flat Cable End Cap Assembly

Description	Part Number
Flat Cable End Cap	1485A-KCAP
Micro Sealing Cap	1485A-M12
Micro Terminator	1485A-T1D5
Conduit Adapter	1485A-CAD
Flat Cable Mount	1485A-FCM

KwikLink and KwikLink General Purpose Connector Comparison

The new KwikLink General Purpose connector differs from the original heavy duty version. The new KwikLink General Purpose connector is well suited for less demanding applications, while the heavy duty connector features a more rugged design for harsh industrial environments. The chart below summarizes some key feature differences between the two connectors.

Connector Feature	KwikLink General Purpose	Original KwikLink
Model Types Available	Micro only	Micro, Open-Style, Terminators, Splice Kits, Mini
Environmental Ratings	IP67	IP67, NEMA 6P, 1200psi washdown
Electrical Ratings	Class 2	Class 1 (connector body)
Connection Method	Vampire connection (similar to ArmorBlock MaXum)	Insulation Displacement Connector (IDC)
Housing	2-piece connector	3-piece connector (2-part clamshell plus interface)
Installation	4-screw installation (4 screws install connector and pierce cable). Non-captive screws/no inserts	4-screw installation (2 to install connector, 2 to drive IDC contacts). Captive screws/metal inserts
Dimensions	45mm x 40mm x 32mm (1.8in x 1.6in x 1.3in)	45mm x 49mm x 50mm (1.8in x 1.9in x 2.0in)
No. of Installations	Single Use Only	Single Use Only

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