OUR TOOLS WILL HELP YOU REDUCE MACHINE START-UP TIME AND PRODUCTION DOWNTIME

	MS-PoE	CIQ-100	DSX2-5-IE-K1
	Cable continuity	Troubleshooting	Validation and advanced troubleshooting
Validate to international standards			√
Pre-deployment acceptance tests			√
Parametric tests on cable and connectors			√
Find connections susceptable to vibration, moisture, temperature and EMC/EMI			√
Fiber optic tests			√ (requires optional fiber modules)
Documentation of test results for commissioning	None	Summary results in tester	Complete results in tester, PC and Cloud
User interface	Monochrome	Monochrome	Large color touch screen
Network speed and loss tests		Basic	Tests to international standards for cable type
Connector support (without adapters)	RJ45	RJ45	RJ45, M12-D, M12-X
Contunity, length and tone generation	√	√	√

SERVICE AND SUPPORT

Our tools are only the start. Get the support you need from the leader in cable testing solutions.

- Expertise on Industrial Ethernet www.flukenetworks.com/Industrial
- A knowledge base featuring over 1,000 articles on cable testing topics
- Hundreds of hours of videos including product training, troubleshooting tips, and more
- Worldwide service and training
- A support team with over 150 years of cable testing experience

For a complete view of cable testing technology and Standards information. Visit our basic testing solutions center at: **flukenetworks.com/industrial**

For more information contact:
1-800-283-5853
info@flukenetworks.com

FLUKE networks

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INDUSTRIAL ETHERNET CABLE TESTING CATALOG

Maximize Your Industrial Ethernet Uptime

The cause of most Industrial Ethernet downtime? Cabling. Broken connectors. Failed shields. Moisture intrusion. Too long. EMI susceptibility. Dirty fiber.

But it doesn't have to be that way. We've got the tools and support to help you achieve faster startup, prevent unplanned downtime and speed troubleshooting.

FLUKE networks

STARTUP FASTER. PREVENT DOWNTIME. SPEED TROUBLESHOOTING.

DSX CableAnalyzer™ Industrial Ethernet Kit

Validate that cables conform to international standards

- Startup faster: Ensure cable performance at machine builder, commissioning and after making changes
- Prevent downtime: Find marginal cables susceptible to vibration, moisture, noise and temperature
- Speed troubleshooting: Avoid wasting time installing bypass cables. Identify the exact type and location of cable failure—or prove it's good
- Pass/Fail indication in 10 seconds
- Supports cabling for EtherNet/IP™, PROFINET, ModBus TCP™ and other protocols
- Supports RJ45 and M12 connectors
- Documentation of test results for commissioning

The DSX2-5-IE-K1 provides complete testing for copper cabling from single pair to Cat 6A, and includes adapters for RJ-45, M12-D and M12-X. Approved by over 30 cabling manufacturers.

OPTIONAL FIBER OPTIC TEST MODULES FOR DSX

CFP-Q-Add CertiFiber™ Module

- Optical loss modules provide automatic Pass/Fail analysis to industry standards
- Supports multimode and single mode at four wavelengths

OFP-Q-Add OptiFiber™ Module

- OTDR module to identify all connections on a fiber link and attenuation at each
- Identify splices and associated attenuation and lengths

COPPER CABLE TROUBLESHOOTING AND CONNECTIVITY

MicroScanner™ PoE Cable Verifier

- Graphically displays length, wiremap, opens/shorts and distance to fault
- Detects the class (0-8) from PoE, PoE+ and PoE++ (802.3 at, af, and bt) switches
- Identifies presence and speed of an active switch connected to the cable
- Tests RJ45* connections

CableIQ™ Qualification Tester

- Ethernet switch detection and link configuration
- Measure and document cabling performance (10/100/1000 Mbps)
- Displays cable length wiremap, open/shorts and distance to fault
- Tests RJ45* connections

*Use hybrid RJ45 to M12 cords for tests on M12-D and M12-X connectors with MS=POE and CIQ

SOLUTIONS FOR FIBER OPTIC CONTAMINATION

The #1 problem affecting Industrial Ethernet fiber cables

FI-500 FiberInspector™ Micro

- PortBright™, a built-in flashlight illuminates dark areas
- Autofocus for stable images in few seconds
- Large display to view fiber endfaces
- Includes 4 UPC tips (LC, SC, 1.25 mm and 2.50 mm).
- APC, Bulkhead tips available
- Autocenter for precise fiber ferrule inspection

Fiber Optic Cleaning Kits

The complete solution for precision end-face fiber optic cable cleaning