

FLEXIBLE FLAT CABLE (FFC) SPLICE MACHINE MARK IV & FFC F-CRIMP APPLICATOR 6-8 POSITION

Product Brochure

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TE Connectivity's (TE) high-performance FFC Splice Machine Mark IV and the new FFC F-Crimp 6-8 position applicator, provide enhanced quality assurance during the splice crimping process, crucial for terminating foil to wire connections in automotive, industrial & commercial transportation, and aerospace, defense & marine applications.

The FFC Splice Machine Mark IV is a semi-automatic, high-performance tool featuring smart vision technology for part detection and cable color verification, ensuring accurate wire placement. The machine's precise alignment of individual conductors is essential for ensuring proper electrical connections. It also accurately cuts FFC cables to the desired length—critical when joining two cables or customizing cable lengths.

The machine's primary function is to splice or join two FFC cables by applying pressure and/or heat to securely bond the conductors. After splicing, it confirms that the joint is properly set and secure through a cooling process. Safety is enhanced by requiring both hands to operate, reducing the chance of injury.

In addition to the machine's capabilities, the FFC F-Crimp 6-8 position applicator allows for terminating 6-8 terminals—an improvement over the standard 1-6 terminal capability from the machine alone —making it ideal for more complex applications. We offer customized foil locator designs upon customer request to support diverse crimping needs.



New High-Performance Tool



Quality Assurance



Customized Designs

Key Features	Benefits
New High-Performance Tool	<ul style="list-style-type: none">• Semi automatic termination of splices• Sensor foil to flexible leads or diodes• Pneumatically operated• Two-handed crimp operation - Operator has both hands busy and is working in full safety modality (Two Hand Release)• Pitch 5.08 mm fixed by terminal• Mass termination from 1 to 6 terminals - FFC Mark IV machine• New FFC F-Crimp applicator supports mass termination of 6-8 terminals• Press completes all crimps in one cycle• Manual loading of foil and terminals• Cycle time (loading materials, crimping, unloading) approx. 25 sec.
Quality Assurance	<ul style="list-style-type: none">• Vision system for part detection or cable color for correct wire placement• Large foil support surface• Foils, parts cable loaded by hand
Customized Designs	<ul style="list-style-type: none">• Customized designs for foil locators available upon customer request

Industries

- Automotive
- Industrial & Commercial Transportation
- Aerospace Defense & Marine

Applications

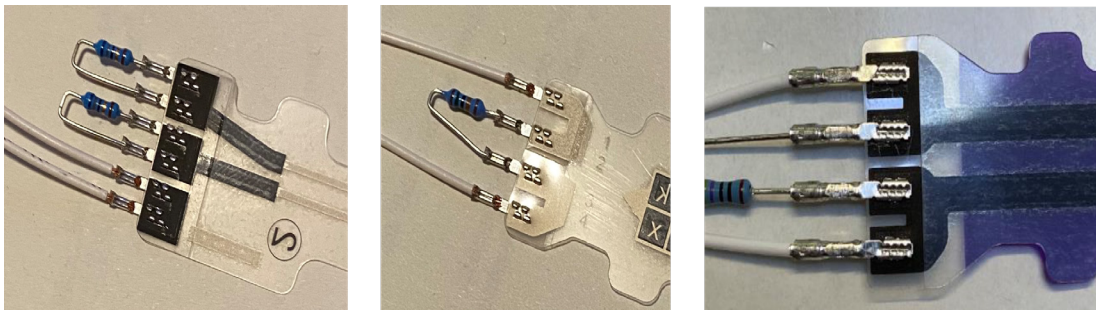
- Seat Belt Reminders
- Hands on Steering Wheel Detection
- Seat Heating System
- Side Mirror Heating System

Technical Details

Technical Specifications	
Working Condition Relative Humidity	30%-85%
Storage Environment Relative Humidity	30%-85%
Dimension	1500 x 1100 x 1500 mm
Weight	350 kg (approximate)
Voltage	230V 50Hz 2A single-phase
Compressed Air	5.5 to 6.5 bar dry, clean air
Cycles per hour	120-140 *
Fix Pitch	5.08 mm
Flexible Work Light	12V
Crimping Force	25 kN
Sound Pressure Level	< 75 dB(A)

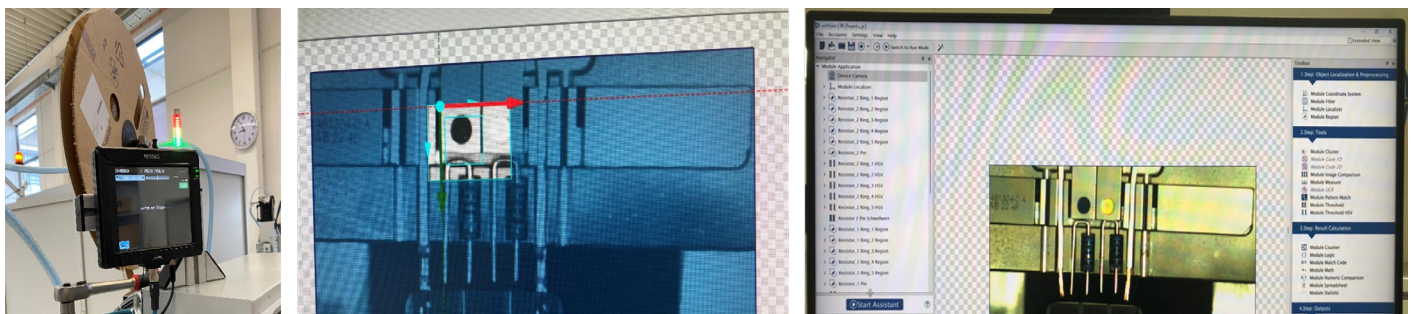
Flexible Flat Cable (FFC) Splice Machine Mark IV is designed for Foil to Cable Technology

See examples of products that use foil to cable technology



Flexible Flat Cable (FFC) Splice Machine Mark IV

Offers a vision system feature that ensures precise detection of wire and component positioning



Ordering Information

Specifications	
PN 2434672-1	BASE FFC SPLICE MACHINE MARK 4
PN 2434675-1	APPLICATOR, FFC F-CRIMP
PN 5-528491-9	NG CONVERSION KIT 4 WIRE ISO
PN 6-528491-3	CONVERSION KIT NG 2 WIRES 1 RESISTOR
PN 2-528471-6	CONVERSION KIT FOIL
PN 5-528491-4	CONVERSION KIT NG 4 WIRES
PN 5-528491-5	CONVERSION KIT NG 2 WIRES 1 RESISTOR
PN 6-528491-0	NG CONVERSION KIT 2 WIRE 1 RES
PN 6-528491-6	CONVERSION KIT, 2 WIRES, 1 RESISTOR
PN 2434675-2	APPLICATOR, FFC F-CRIMP 6-8-POSITION
PN 2455293-1	CONVERSION KIT 2 WIRES LEFT 2 RESISTORS
PN 2455295-1	CONVERSION KIT WIRE RESISTOR WIRE RES

Connect With Us

Our tooling is supported by an established, experienced and responsive field service organization. TE Connectivity field engineers are located worldwide and are available to assist with on-site and remote service; selection and installation of new equipment; training; and technical support. Service agreements are available to provide protection and support for all your application tooling equipment.

Contact Us

Phone: Americas 1-800-722-1111

EMEA 49-6151-607-1518

APAC 86-021-3325-9030

Tooling Portfolio: tooling.te.com

Field Service: te.com/fieldservice

te.com

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10/24