



FLEXIBLE FLAT CABLE (FFC) SPLICE MACHINE MARK IV

Product Brochure

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TE Connectivity's (TE) new high performance flexible flat cable (FFC) splice machine mark IV provides quality assurance during the splice crimping process to terminate foil to wire connections in automotive, industrial & commercial transportation, aerospace defense & marine applications.

The new FFC splice machine mark IV semi automatic machine is a high-performance tool that provides smart vision feature for part detection or cable color to confirm correct wire placement. The machine precisely aligns the individual conductors on the cable. This alignment is crucial to confirm a proper electrical connection. The machine can accurately cut the FFC cables to the desired length. This step is necessary when you need to join two cables or when you need custom cable lengths. The primary function of the machine is to splice or join the two FFC cables together. This process involves using pressure and/or heat to bond the conductors of the cables securely. After the splice is made, the machine confirms that the splice joint has properly set and is secure via a cooling process. This FFC splice machine mark IV machine requires the operator to use both of their hands reducing the chance of injury.

To support a variety of crimping needs, we offer customized designs for foil locators available upon customer request.



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 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)

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

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

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Tooling Portfolio: tooling.te.com

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