



MTJ SERIES

Inline surge protection solutions for any infrastructure need

- Compact Form Factor
- High Speed, High Energy Handling Capability
- Insures Network Uptime And Integrity
- Ability To Protect Almost Every Device That Sends Data Over Copper



Cylix MTJ series protectors are a cost effective solution to overvoltage problems.

Transient surges can enter electronic equipment through any connection, not just the AC power line. Facilities with reliable AC power protectors can still experience surge-related system downtime. Transient surge energies from sources such as nearby lightning strikes, inductive load switching, ground loop currents, and electrostatic discharge are clamped by AC protectors into the shared communication ground, resulting in damage to expensive communication hardware.

Our MTJ series of surge protection devices cover the broadest range of infrastructure needs imaginable. From single line dial-up up to Category 6 Ethernet units, this Cylix series of products can insure that your infrastructure is protected. All of these devices exhibit an extremely fast response time of less than 5 nanoseconds.

All these features and more make Cylix MTJ series of surge protectors the most cost effective and versatile devices of their kind available today.

www.cylx.com



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ELECTRICAL SPECIFICATIONS

	10BASE T RS422, RS423	100BASE T ETHERNET CAT 5/E	1000BASE T ETHERNET CAT 6	POWER OVER ETHERNET (MODE A)	POWER OVER ETHERNET (MODE B)	RS232	DIGITAL, ISDN DDS, T1 / E1 CSU/DSU, DSL	ANALOG/ DIAL-UP/ MODEM / FAX
STD. CLAMP VOLTAGE	7.5 VOLTS	12 VOLTS	7.5 VOLTS	60 VOLTS	Pins 1, 2, 3, & 6 - 7.5 VOLTS Pins 4, 5, 7, & 8 - 60 VOLTS	18 VOLTS	60 VOLTS	240 VOLTS
PEAK PULSE CURRENT 10/1000 us s.c. waveform @Vcl	132 AMPS	97 AMPS	100 AMPS	50 AMPS	Pins 1, 2, 3, & 6 - 132 AMPS Pins 4, 5, 7, & 8 - 50 AMPS	60 AMPS	50 AMPS	75 AMPS
RESPONSE TIME	----- LESS THAN 5 NANOSECONDS -----							
MAXIMUM SHUNT CAPACITANCE	<40pF	<25pF	MTJ-C6 <8pF CAT 6-PPC <5pF (device only)	<75pF	<25pF (Ethernet Lines Only)	<40pF	<75pF	<95pF

(Subject to change without notice)

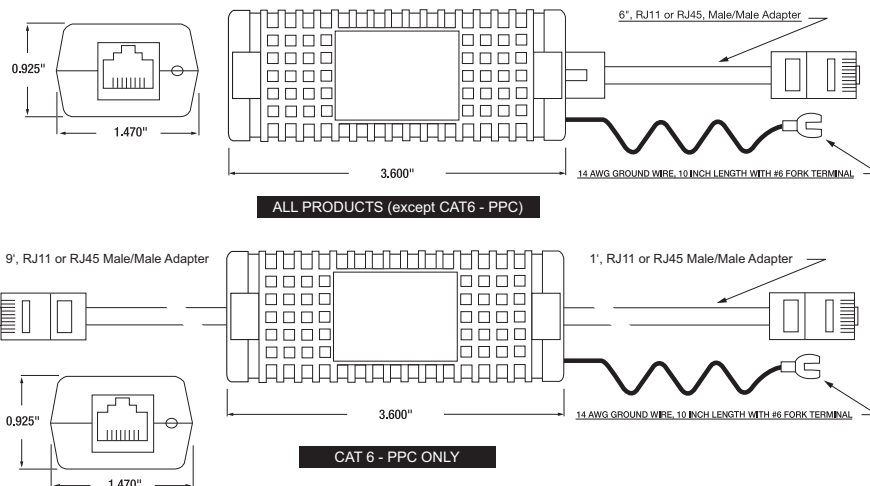
SYSTEM APPLICATION AND MODEL NUMBER

	WIRES PROTECTED	10BASE T ETHERNET	100BASE T ETHERNET	RS422, RS423	RS232	CSU/DSU	ISDN	DDS	DSL	T1	DIAL-UP/ MODEM/FAX	1000BASE T ETHERNET CAT 6	POWER OVER ETHERNET (MODE A)	POWER OVER ETHERNET (MODE B)
RJ-11	2 WIRE, 2 CENTER PINS	X	X	X	X	X	X	X	X	X	MTJ-02G/RJ11	X	X	X
	4 WIRE, 4 CENTER PINS	X	X	MTJ-04E/RJ11	X	X	X	X	X	X	MTJ-04G/RJ11	X	X	X
	6 WIRES, ALL PINS	X	X	MTJ-06E/RJ11	X	X	X	X	MTJ-DSL	X	MTJ-06G/RJ11	X	X	X
RJ-145	1, 2, 3, & 6	MTJ-04E/RJ45	X	X	X	X	X	X	X	X	X	X	X	X
	1, 2, 4, & 5	X	X	X	X	X	X	X	X	MTJ-T1 ⁽¹⁾	X	X	X	X
	1, 2, 7, & 8	X	X	X	X	X	X	MTJ-DDS ⁽¹⁾	X	X	X	X	X	X
	4 WIRE, 4 CENTER PINS	X	X	MTJ-04E/RJ45-C	MTJ-04T/RJ45	MTJ-ISDN* ⁽¹⁾	MTJ-ISDN* ⁽¹⁾	X	X	X	X	X	X	X
	8 WIRE, ALL PINS	MTJ-08E/RJ45	MTJ-C5E	MTJ-08E/RJ45	MTJ-08T/RJ45	MTJ-DIGITAL	X	MTJ-DIGITAL	X	MTJ-DIGITAL	MTJ-08G/RJ45	MTJ-C6 CAT 6-PPC ⁽¹⁾	MTJ-PoE 60v-A	MTJ-PoE 60v-B

⁽¹⁾ Not UL Listed

* With pins 1 & 8 passed through

(Special Configurations Available)



Cylix "Circle of Protection" Warranty

The Cylix Corporation offers our "Circle of Protection" Warranty which includes a \$25,000 Connected Equipment Guarantee, 5 Year Replacement Program, and a Limited Lifetime Warranty. For complete warranty information, disclaimers, and exclusions, please visit www.cylinx.com.

All specifications and dimensions are subject to change without notice.
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