

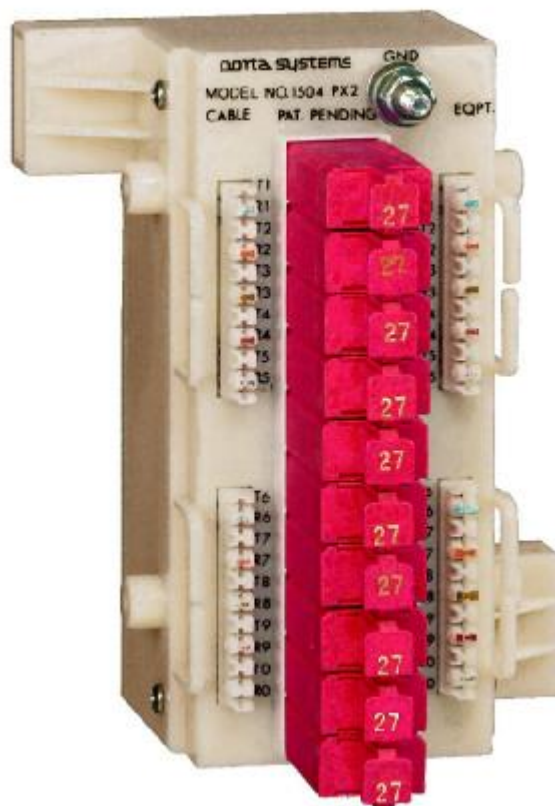
CAT 5E Low Voltage Protector Packs™

Porta Systems now offers UL listed Low Voltage Protectors for data communication circuits. They protect networking protocols operation at transmission speeds up to 100 MHz from transients that can harm sensitive electronic equipment. Ultra low capacitance solid state technology allows for Cat 5E performance in addition to quick reaction to hazardous electrical surges without network degradation.

These Protectors have been designed to protect data networks operating below 7.5, 18, and 27 volts, allowing optimum transmission performance. Porta Systems Low Voltage Protectors come in convenient pre-packaged 4, 6, 8, and 10 pair Protector Packs™. Replacement Modules are also available.

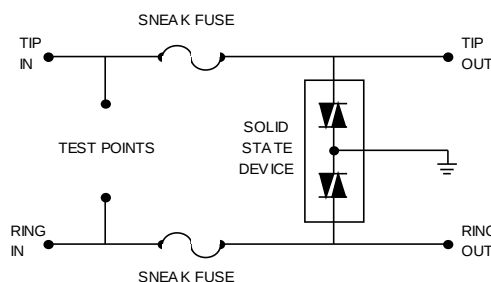


Termination and Protection of Data Network Equipment, Including MAUs, PCs and LAN Hubs/Concentrators.



Features & Benefits

- UL 497, UL 497A, & UL 497B Listed for Primary, Secondary, and Isolated Loop Circuit protection
- Designed for CAT5E applications
- Circuit protection for networking protocols operation at transmission speeds up to 100 MHz
- Ultra low capacitance solid state technology for quick reaction to hazardous electrical surges without network degradation



CAT 5E LOW VOLTAGE PROTECTOR PACKS

SPECIFICATIONS:

Models	LVP7.5E	LVP18E	LVP27E	Test Parameters
Electrical				
DC Breakdown	7.5 V	18 V	27 V	2000V/Sec max
Impulse Breakdown Voltage	7.5 V	18 V	27 V	100V/μSec max
Clamping Time	<5 ηSec	<5 ηSec	<5 ηSec	
Capacitance (Max)	<30 pF	<30 pF	<30 pF	1 KHz, 0 VDC
Line Series Resistance	<1 Ohm	<1 Ohm	<1 Ohm	
Over Current Protection	Indefinite 1 Hour Max 1 Min Max	Indefinite 1 Hour Max 1 Min Max	Indefinite 1 Hour Max 1 Min Max	500 mA 1 A 1.5 A

CAT 5E

Frequency	Up to 100 MHz	Up to 100 MHz	Up to 100 MHz	
Delay Skew	< 6ηS	< 6ηS	< 6ηS	
NEXT	> +4.4 dB	> +4.4 dB	> +4.4 dB	*
PS-NEXT	> +6.8 dB	> +6.8 dB	> +6.8 dB	*
ELFEXT	> +9.5 dB	> +9.5 dB	> +9.5 dB	*
PS-ELFEXT	> +11.9 dB	> +11.9 dB	> +11.9 dB	*
Return Loss	> +3 dB	> +3 dB	> +3 dB	*

* Numbers show minimum margin of test Results to CAT 5E parameter limits for each category.
A full engineering report of CAT 5E Test results is available upon request.

ORDERING INFORMATION

Number of Pairs	7.5 Volt	18 Volt	27 Volt	Termination
4	1504PX24LVP7.5E	1504PX24LVP18E	1504PX24LVP27E	110
6	1504PX26LVP7.5E	1504PX26LVP18E	1504PX26LVP27E	110
8	1504PX28LVP7.5E	1504PX28LVP18E	1504PX28LVP27E	110
10	1504PX210LVP7.5E	1504PX210LVP18E	1504PX210LVP27E	110

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