

CAT 5E NETWORK PROTECTOR

SOLID STATE, BUILDING ENTRANCE PROTECTION

INNOVATIVE TECHNOLOGY FROM ITW LINX!

The CAT5-LAN Category 5e primary surge protector is the only choice for protecting sensitive network routers, hubs, and workstations from lightning and transient voltage surges. The 4 pair version uses the patented Linx Cat5e Circuit Technology™ to ensure total protection. For use with high performance 4 pair Cat 5e Outside Plant Cables as well as Cat 5e UTP cables. 100% solid-state protection for fast reliable response to surge events, UL listed per UL497 for building entrance protection, and meets TIA568 and TIA758 for Cat 5e performance. Cat 5e performance verified by three independent laboratories.

Features:

- UL Listed for Primary (497) and Isolated Loop (497B) applications. UL listing is critical for ensuring safety and performance of protection devices.
- Meets and exceeds TIA/EIA Standards 568 and 758 for category 5e performance. The TIA 758 standard requires use of a building entrance protector on Cat 5e campus / outside plant applications.
- Solid-state protection provides the fastest response to transient voltages (2–5 nanoseconds) by quickly diverting damaging surges to ground.
- Multiple connection configurations are available using 110 Punchdown blocks or RJ-45 Jacks or per TIA 568A or 568B.
- Protects 4 pair LAN applications with 16 V clamping voltage or voice applications with 75 V or 235 V clamping voltage.
- CAT5-LAN-POE is also available for Power Over Ethernet applications. (Pairs Blue & Brown—Power, remaining Pairs—Data)
- Use between buildings in a campus environment as a building entrance protector or in hostile industrial applications as an isolated loop protector.



PRODUCT SPECIFICATIONS

100% Solid State. Yes
 UL Listings: 497 Primary (Building Entrance),
 497B Isolated Loop
 Cat 5e Standards: Exceeds TIA/EIA 568-A-5,
 TIA/EIA 758 (Outside Plant Cabling)
 Response Time 2–5 nanoseconds
 Overall Dimensions 4.25" L x 4.25" W x 1.42"D

Clamping Voltage Data. 16, 75 or 235 Volts DC
 Clamping Voltage Power (POE version only) 62 Volts DC
 Grounding Requirement. Field installed solid copper wire
 #10 AWG for Primary
 #14 AWG for Isolated Loop
 Cable Shield Grounding. Integral Shield Grounding Clip attaches to cable
 Ground Impedance < 0.5 ohm from protector to earth ground
 Input/Output Connections 110 Punchdown / RJ-45 Jacks (TIA 568A/B)

Designs and specifications subject to change without notice due to product improvement

Ordering Information for LAN Applications

ITW Linx Part Number	Description	Connection Type*	Clamping Voltage
CAT5-LAN	Category 5e Primary Protector—4 Pair, UL Listed Per 497, 497B	110 In / 110 Out	16 VDC
CAT5-LAN-110/RJ45	Category 5e Primary Protector—4 Pair, UL Listed Per 497, 497B	110 In / RJ45 Out	16 VDC
CAT5-LAN-RJ45	Category 5 Primary Protector—4 Pair, UL Listed Per 497, 497B	RJ45 In / RJ45 Out	16 VDC
CAT5-POE	Category 5e Primary Protector—For Power Over Ethernet	Any of the above	16 VDC—Data 62 VDC—Power

Ordering Information for Voice/ISDN Applications

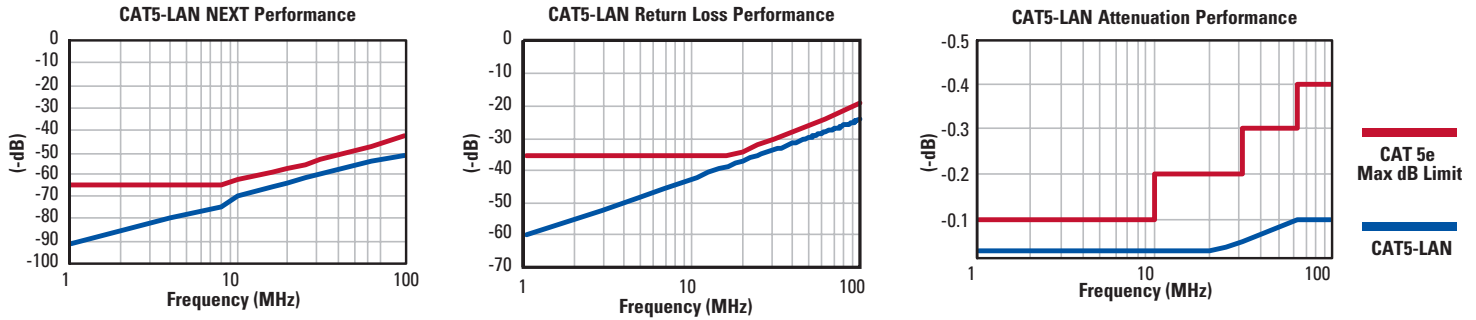
ITW Linx Part Number	Description	Input / Output Connection	Clamping Voltage
CAT5-75	Category 5e Primary Protector—4 Pair, UL Listed Per 497, 497B	110 In / 110 Out	75 VDC
CAT5-75-110/RJ45	Category 5e Primary Protector—4 Pair, UL Listed Per 497, 497B	110 In / RJ45 Out	75 VDC
CAT5-75-RJ45	Category 5 Primary Protector—4 Pair, UL Listed Per 497, 497B	RJ45 In / RJ45 Out	75 VDC
CAT5-235	Category 5e Primary Protector—4 Pair, UL Listed Per 497, 497B	110 In / 110 Out	235 VDC
CAT5-235-110/RJ45	Category 5e Primary Protector—4 Pair, UL Listed Per 497, 497B	110 In / RJ45 Out	235 VDC
CAT5-235-RJ45	Category 5 Primary Protector—4 Pair, UL Listed Per 497, 497B	RJ45 In / RJ45 Out	235 VDC

*RJ45 In/Out meets Category 5 performance

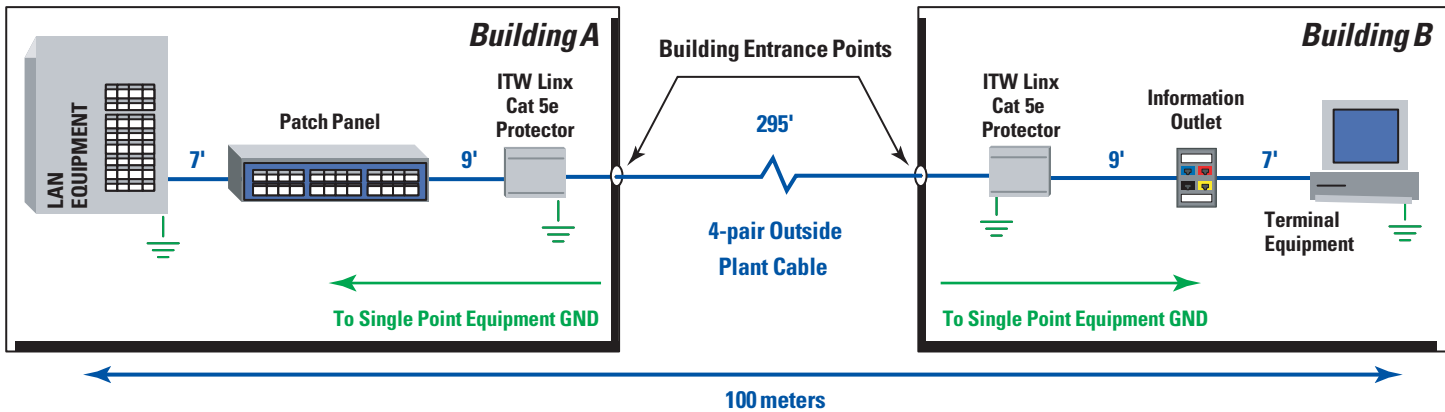
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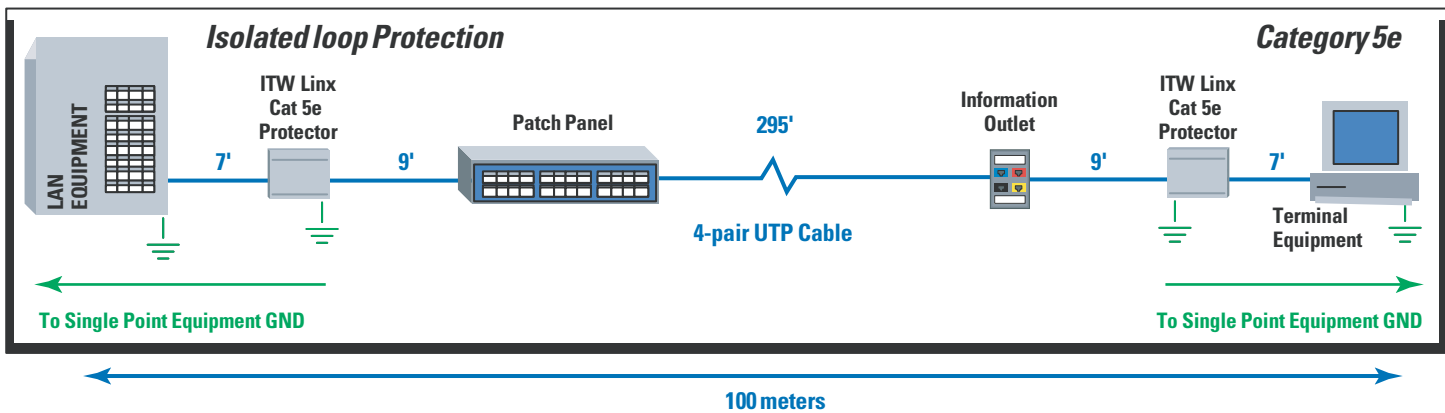
Performance per TIA/EIA 568-A-5 Standard and Telco Specifications



Multiple Building Installation—EIA/TIA 568A & 758



Single Building Installation—EIA/TIA 568A & 758



DID YOU KNOW?

ITW Linx also offers a rack mount 12-port configuration of the towerMAX Cat 5e-LAN module.



PART No. DL1200

DataLinx 1200

- Solid State, Primary and Isolated Loop Protection, UL 497 and 497B
- 12 ports, replaceable 4-port modules
- 110 Punch-down input to RJ45 output
- Cat 5e per TIA 568-A and TIA 568-B
- Single-height rack mountable chassis (1U)