

CAT 6 NETWORK PROTECTOR

SOLID STATE, BUILDING ENTRANCE PROTECTION

INNOVATIVE TECHNOLOGY FROM ITW LINX!

The CAT6-LAN Category 6 primary surge protector is the only choice for protecting sensitive network routers, WAPs, PBX/KSUs, and workstations from lightning and transient voltage surges. The 4 pair version uses the patented Linx Cat 6 Circuit Technology™ to ensure total protection. For use with high performance 4 pair Cat 6 Outside Plant Cables as well as Cat 6 UTP cables. 100% solid-state protection for fast reliable response to surge events, UL listed per UL497 for building entrance protection, and meets TIA568 for Cat 6 performance. Cat 6 performance verified by 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-B.2-1 and 758 for Category 6 performance. The TIA 758 standard requires use of a building entrance protector on Cat 6 campus / outside plant applications.
- Solid-state protection provides the fastest response to transient voltages (2–5 nanoseconds) by quickly diverting damaging surges to ground.
- Protects 4 pair LAN applications with 16 V clamping voltage or 4 pair voice applications with 75 V or 235 V clamping voltage.
- Use between buildings in a campus environment as a building entrance protector or in hostile industrial applications as an isolated loop protector.
- **Lifetime Product Warranty**—This surge protector shall be free of any defects in design, materials or workmanship or ITW Linx will repair or replace the defective product.
- **\$50,000 Connected Equipment Warranty**—This ITW Linx product will protect your equipment or we will repair or replace it up to \$50,000!



ITW LINX PART No.: **CAT6-LAN**

PRODUCT SPECIFICATIONS

Cat 6 Circuit Technology™ Yes
 100% Solid State. Yes
 Response Time 2–5 nanoseconds
 UL Listings: 497 Primary (Building Entrance),
 497B Isolated Loop
 Cat 6 Standards: Exceeds TIA/EIA 568.2-1,
 TIA/EIA 758 (Outside Plant Cabling)

Overall Dimensions 4.25" L x 4.25" W x 1.42"D
 Clamping Voltage 16, 75 or 235 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

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

Ordering Information for LAN Applications

ITW Linx Part Number	Description	Input / Output Connection	Clamping Voltage
CAT6-LAN	Category 6 Primary Protector— 4 Pair, UL Listed Per 497, 497B	110 In / 110 Out per TIA 568A or 568B	16 VDC
CAT6-POE	Category 6 Primary Protector— 4 Pair, UL Listed Per 497, 497B	110 In / 110 Out per TIA 568A or 568B	16 V Data (ORANGE/GREEN) 62V Power (BLUE/BROWN)

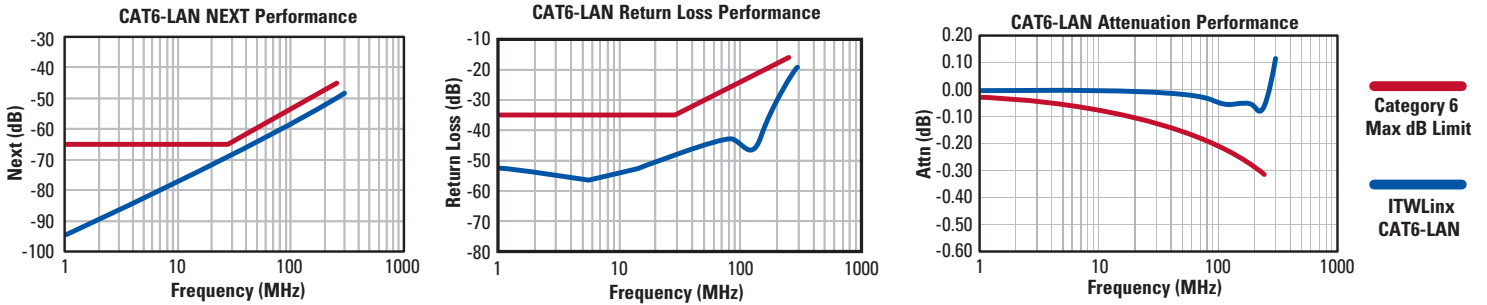
Ordering Information for Voice/ISDN Applications

ITW Linx Part Number	Description	Input / Output Connection	Clamping Voltage
CAT6-75	Category 6 Primary Protector— 4 Pair, UL Listed Per 497, 497B	110 In / 110 Out per TIA 568A or 568B	75 VDC
CAT6-235	Category 6 Primary Protector— 4 Pair, UL Listed Per 497, 497B	110 In / 110 Out per TIA 568A or 568B	235 VDC

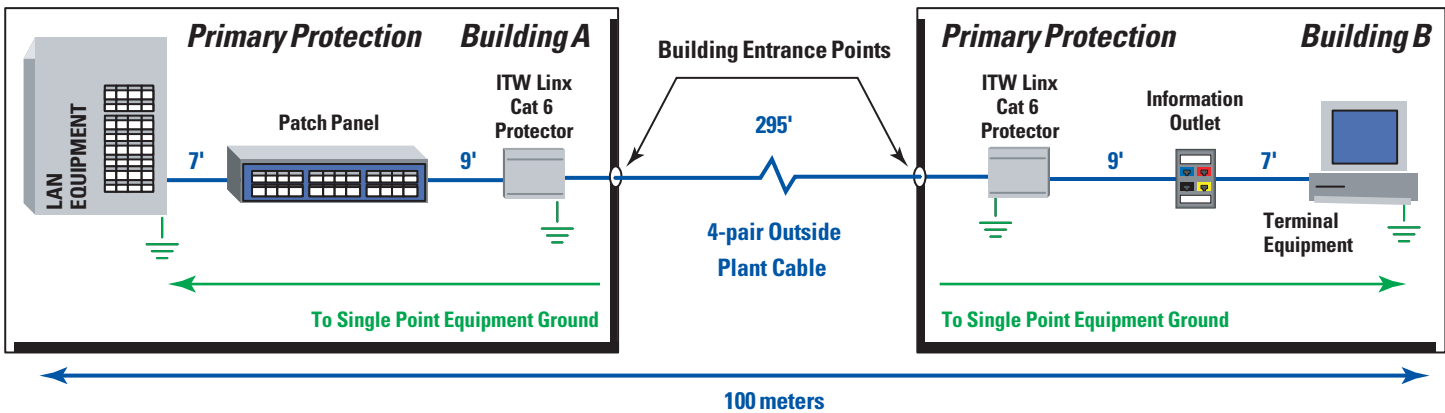
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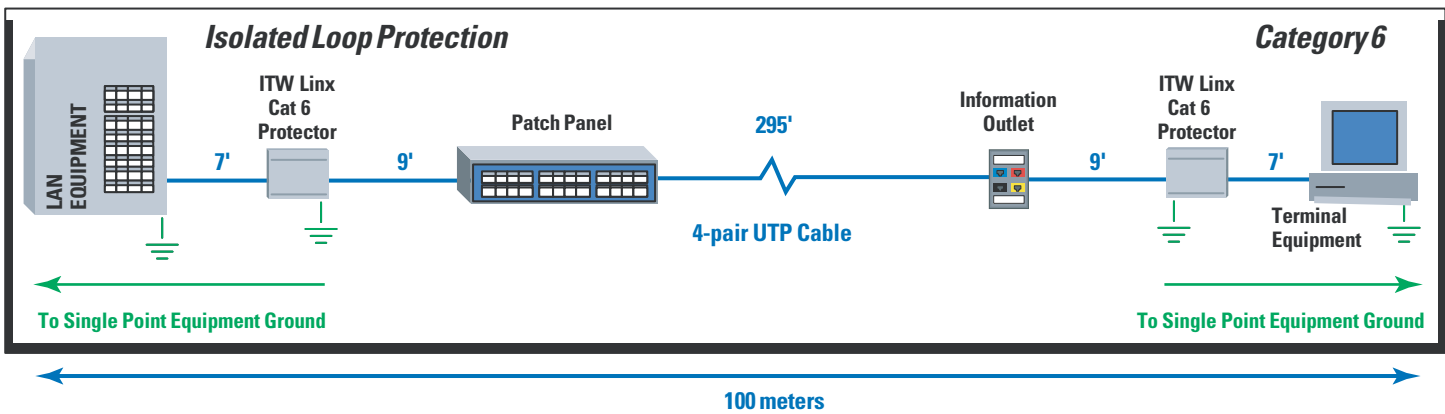
Performance per TIA/EIA 568-B.2-1 Standard and Telco Specifications



Multiple Building Installation—TIA/EIA 568-B & 758



Single Building Installation—TIA/EIA 568-B & 758



DID YOU KNOW?

ITW Linx also offers Cat 6 rack- or wall-mountable Building Entrance Terminals and Five Pin Protection modules.



PART No. **DL-50C**

PART No. **DL-25C**

PART No. **DL-12C** NOT SHOWN



- Category 6 per TIA 568-B.2-1
- Solid State, Primary UL 497
- 12-, 25- or 50-pair BETs fits standard 19" racks or wall-mountable
- 110 Punch-down connections
- CAT6-FPPs are available in 16, 75 or 235 clamping voltages.



PART No. **FPPCAT6-16**

PART No. **FPPCAT6-75**

PART No. **FPPCAT6-235**