

## TeleLite Pre-configured HVI Solutions

TeleLite provides electrical isolation for telecom landlines entering locations where high voltage and/or lightning strikes may cause dangerous Ground Potential Rise (GPR) events. The electrical isolation achieved by using TeleLite, protects equipment and personnel and ensures continuity of your critical communication services.

Positron's High Voltage Interface (HVI) and compact HVI (cHVI) solutions, include a full portfolio of products that cost-effectively meet your requirements for small 1 or 2 circuit installations as well as large installations.

TeleLite supports an extensive range of service types providing customers with a flexible, cost-effective, robust and reliable fiber optic isolator solution.

### TeleLite HVI Product Numbering

Positron has changed the product numbering of its TeleLite pre-configured HVI solution, which simplifies the ordering process and reduces deployment costs. The following document is designed to guide you through the ordering process of the TeleLite pre-configured HVI solutions.

### Key Benefits

- Easier to build standard configurations that may be used across an organization. Using pre-configured HVI solutions ensures consistency between projects and installations, accelerating field staff's knowledge and effectiveness at servicing the TeleLite installations
- Faster to configure and order, thus reducing engineering costs
- Simplified equipment selection significantly reduces ordering errors and time delays in executing mission critical isolation projects
- Positron's HVI solutions are pre-configured to meet IEEE recommendations for high voltage installations



### TeleLite NEBS Compliance

Positron's TeleLite solution has been tested and is fully compliant to NEBS Level 3 requirements in addition to FCC-15, FCC-68 and CSA/UL ensuring a robust and reliable system solution for your critical communication needs.

## Simplified Four Step Ordering Process

The TeleLite system is divided into two parts: the CO side unit and the Station side unit with the CO side unit typically installed outside the Zone of Influence (ZOI) as per the IEEE 1590 Recommendations.

- Step 1:** Choose a cabinet enclosure for the TeleLite system (CO Site [CFJ] and Station Site [OEI]) as well as a mounting option. All our enclosures are based on NEMA-4x compliant packages and are available in polymer or aluminum. For NEBS Level 3 compliant outdoor installations, the 40" x 30" aluminum enclosure is required. For indoor installations, the enclosure is optional.
- Step 2:** Choose one of the pre-configured backboard solutions (CO Site [CFJ] and Station Site [OEI]). The backboard configurations are pre-engineered and pre-wired for fast and efficient planning and installation by field staff.
- Step 3:** Select one of the available powering options.
- Step 4:** Select the appropriate plug-in cards for the circuit types required for the project (for TeleLite plug-in card model numbers, refer to **Table 3**).

**Table 1** outlines the various options in the first three steps of the ordering process (for TeleLite HVI model numbers, refer to **Table 2**):

### Table 1: Streamlined TeleLite HVI Systems

Step 1	Step 2	Step 3
Cabinet Enclosure & Mounting Option	Pre-configured Backboard Configuration	Powering Option
<p><b>Aluminum Enclosure</b></p> <ul style="list-style-type: none"> <li>• NEBS outdoor installations</li> <li>• Available in 40" x 30" only</li> <li>• Mounting options: <ul style="list-style-type: none"> <li>▪ Wall-, pole- or pad-mount</li> </ul> </li> </ul> <p><b>Polymer Enclosure:</b></p> <ul style="list-style-type: none"> <li>• Available in the following sizes: <ul style="list-style-type: none"> <li>▪ 40" x 30"</li> <li>▪ 30" x 20"</li> </ul> </li> <li>• Mounting options: <ul style="list-style-type: none"> <li>▪ Wall- or pole-mount</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 40" x 30" Backboard with: <ul style="list-style-type: none"> <li>▪ 1 Shelf, 25-pair Protection and Punch Block</li> <li>▪ 1 Shelf and 3M Protection</li> <li>▪ 2 Shelves, 25-pair Protection and Punch Block</li> <li>▪ 2 Shelves and 3M Protection</li> <li>▪ 2 Shelves, 3M Protection and 2 DTWA</li> </ul> </li> <li>• 30" x 20" Backboard with <ul style="list-style-type: none"> <li>▪ 1 Shelf and Bix Punch Block</li> <li>▪ 1 Shelf and 25-pair Protection</li> </ul> </li> </ul> <p>All backboards use NEBS compliant equipment</p>	<ul style="list-style-type: none"> <li>• Power Terminal Kit 115 Vac</li> <li>• Power Terminal Kit -129 Vdc</li> <li>• Power Terminal Kit -48 Vdc</li> </ul>
<p><b>cHVI – For more information, please refer to the cHVI data sheet</b></p>		

**NOTE:**

When ordering a Cabinet Configuration: an option from 1, 2 and 3 must be selected  
When ordering a Backboard Configuration: an option from 2 and 3 must be selected

**Table 2: TeleLite HVI Model Numbers**

<b>Description</b>	<b>Model No.</b>
<b>Step 1: Cabinet Enclosures</b>	
40" x 30" NEBS Aluminum Cabinet Enclosure with Wall Mount	7243NC-WL
40" x 30" NEBS Aluminum Cabinet Enclosure with Pole Mount	7243NC-PL
40" x 30" NEBS Aluminum Cabinet Enclosure with Pad Mount	7243NC-PD
40" x 30" Polymer Cabinet Enclosure with Wall Mount	7243PC-WL
40" x 30" Polymer Cabinet Enclosure with Pole Mount	7243PC-PL
30" x 20" Polymer Cabinet Enclosure with Wall Mount	7232PC-WL
30" x 20" Polymer Cabinet Enclosure with Pole Mount	7232PC-PL
<b>Step 2: Backboard Configurations</b>	
40" x 30" Backboard Configuration with 1 Shelf, 25-pair Protection and Punch Block	7243BS-10
40" x 30" Backboard Configuration with 1 Shelf and 3M Protection	7243BS-20
40" x 30" Backboard Configuration with 2 Shelves, 25-pair Protection and Punch Block	7243BD-10
40" x 30" Backboard Configuration with 2 Shelves and 3M Protection	7243BD-20
40" x 30" Backboard Configuration with 2 Shelves, 3M Protection and 2 DTWA	7243BD-22
30" x 20" Backboard Configuration with 1 Shelf and Bix Punch Block	7232BS-00
30" x 20" Backboard Configuration with 1 Shelf and 25-pair Protection	7232BS-10
<b>Step 3: Powering Options</b>	
Power Terminal Kit for 40" x 30" Assembly 115 Vac	7243PT-15
Power Terminal Kit for 40" x 30" Assembly -129 Vdc	7243PT-29
Power Terminal Kit for 40" x 30" Assembly - 48 Vdc	7243PT-48
Power Terminal Kit for 30" x 20" Assembly 115 Vac	7232PT-15
Power Terminal Kit for 30" x 20" Assembly -129 Vdc	7232PT-29
Power Terminal Kit for 30" x 20" Assembly - 48 Vdc	7232PT-48

The new TeleLite product numbers are effective now. Please review the updated list of TeleLite components and product numbers and consult your Positron Sales Representative when preparing your TeleLite equipment order. Our Customer Service specialists will supply you with a product quotation, which will reflect the new product numbering.

For additional product information as well as the list of accessories, please consult our website at [www.positronpower.com](http://www.positronpower.com).

**Table 3: TeleLite Plug-in Card Model Numbers**

Description	Model No.	
<b>Power Input Card</b>		
Access Card for -48 Vdc	720001	
Power/Access Card 120 Vac or -129 Vdc	721123	
	<b>Station Side</b>	<b>CO Side</b>
<b>T1</b>	Local Powered	Line Powered
Single T1 Multi-mode ST Connector	720100MST	720110MST
Single T1 Single-mode SC Connector	720100SSC	720110SSC
Dual T1 Multi-mode ST Connector	720120MST	720130MST
Dual T1 Single-mode SC Connector	720120SSC	720130SSC
<b>Data 56K DDS</b>	Local Powered	Local Powered
Data 56K DDS Multi-mode ST Connector	720300MST	720310MST
Data 56K DDS Single-mode ST Connector	720300SSC	720310SSC
<b>POTS</b>	Local Powered	Line Powered
Single POTS FX Multi-mode ST Connector	720260MST	720270MST
Single POTS FX Single-mode ST Connector	720260SSC	720270SSC
<b>POTS with Caller ID</b>	Local Powered	Local Powered
Dual POTS w/CLID Ground Start, Loop Start FX Multi-mode ST Connector	720640MST	720650MST (Loop Start) 720651MST (Ground Start)
Dual POTS w/CLID Ground Start, Loop Start FX Single-mode SC Connector	7260640SSC	720650SSC (Loop Start) 720651SSC (Ground Start)
Quad POTS w/CLID Ground Start, Loop Start FX Multi-mode ST Connector	720600MST	720610MST (Loop Start) 720611MST (Ground Start)
Quad POTS w/CLID Ground Start, Loop Start FX Single-mode SC Connector	720600SSC	720610SSC (Loop Start) 720611SSC (Ground Start)
<b>2-wire/4-wire AC Data</b>	Local Powered	Local Powered
Single 2W/4W -48 V Multi-mode ST Connector	720460MST	720470MST
Single 2W/4W -48 V Single-mode SC Connector	720460SSC	720470SSC
<b>4-wire AC Data</b>	Local Powered	Local Powered
Dual 4W -48 V Multi-mode ST Connector	720480MST	720490MST
Dual 4W -48 V Single-mode SC Connector	720480SSC	720490SSC
<b>DID</b>	Local Powered	Local Powered
Dual DID FX Multi-mode ST Connector	720740MST	720750MST
Dual DID FX Single-mode SC Connector	720740SSC	720750SSC
Quad DID FX Multi-mode ST Connector	720700MST	720710MST
Quad DID FX Single-mode SC Connector	720700SSC	720710SSC
<b>OPX</b>	Local Powered	Local Powered
Dual OPX FX Multi-mode ST Connector	720840MST	720850MST
Dual OPX FX Single-mode SC Connector	720840SSC	720850SSC
Quad OPX FX Multi-mode ST Connector	720800MST	720810MST
Quad OPX FX Single-mode SC Connector	720800SSC	720810SSC

**NOTE:**

New TeleLite model numbers reflect new versions updated to meet NEBS Level 3 requirements, in addition to FCC-15 and FCC-68 and CSA/UL requirements. For further information, please refer to the equipment manual.

## Ordering Information

[www.positronpower.com](http://www.positronpower.com) | Toll Free: 1-888-577-5254 | Tel: 514-345-2220 | Email: [info@positronpower.com](mailto:info@positronpower.com)