

CX-SAT

Splitter Access Terminal (SAT)

Fast. Reliable. Build for Outside the Plant

Introduction:

The ComponexX Splitter Access Terminal (SAT) offers a highly efficient solution for deploying optical fiber in outside plant networks. Engineered for speed and simplicity, it enables rapid, one-step field connections using a secure push-pull and nut-style mechanical latch system.



Each assembly model was designed and tested to ensure consistent optical performance and easy mating with other industry products, such as H OptiTap™ Inline SC/APC connectors. Furthermore, the assemblies are protected by a flexible TPU sheath for durability and environmental resistance.

Key Advantages

- **Rugged Protection:** Sealed for IP68 performance—resistant to moisture, dust, salt mist, and humidity.
- **Simplified Installation:** Compatible with standard field practices for aerial, underground, and duct applications.
- **Faster Deployment:** Cuts installation time by up to **50%** compared to traditional field setups.
- **Reliable Connections:** Factory-tested for full optical performance assurance.
- **Weather-Ready:** Designed for stable operation from **–40°C to +70°C**, indoors or outdoors.
- **Smart Design:** Marked dust cap assists users with color recognition during installation.
- **Reduced Splicing:** Integrated waterproof tether points minimize field splicing losses

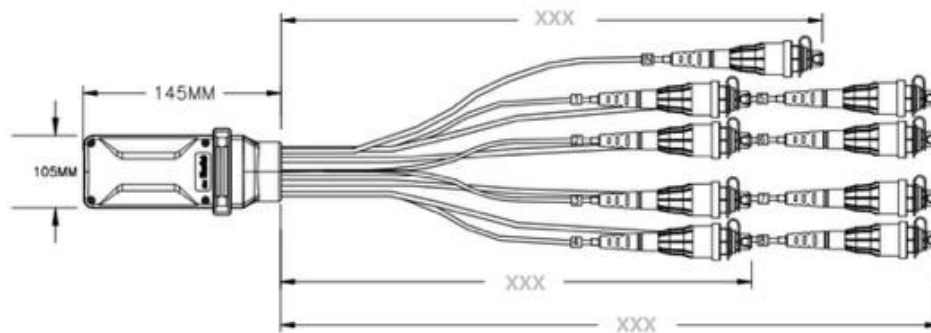
Applications

- **FTTH (Fiber-to-the-Home) distribution networks:** multi-drop access and subscriber connections.
- **MDU / FTTB deployments:** compact optical termination for apartment and business buildings.
- **Aerial and pole-mounted network nodes:** hardened design supports strand or pole installation.
- **Pedestal and handhole integration:** compatible with buried or below-grade fiber access points.
- **Rural OSP expansion projects:** supports extended distance and varied environmental conditions.

Technical Specifications:

Item name	Splitter Access Terminal
Standard	Standard Comply to GR-3120, GR-3152, IEC 61753-1, IEC 61754-4
Cable	Cable 4.8-5.0mm Black TPU with ITU-T G.657A1 fiber
Connector	Connector H OptiTap Inline SC/APC connector
Input	Input length 0.3M or customized
Output	Output length 0.5M or customized
Closure	Closure size 145*105*50mm
Insertion loss	4.5dB Max (1x2) 7.8dB Max (1x4) 11dB Max (1x8) 13.7dB Max(1x16)
Return	55dB Min
Waterproof level	IP68

Drawing:



Packing Information



Model	Net weight	Packing size	Weight per box
CPX-SAT-102	0.4KG	55*40*32CM/10pcs	4.5KG
CPX-SAT-104	0.6KG	55*40*32CM/10pcs	6.5KG
CPX-SAT-108	0.8KG	55*40*32CM/10pcs	8.5KG
CPX-SAT-116	1.2KG	55*40*32CM/5pcs	14KG

Additional Images:

