

APACHE FIBER

1 or 2 zones up to 1000m + 1000m

OPTOPHONIC PERIMETER PROTECTION SYSTEM WITH FIBER OPTICS FOR DETECTING INTRUSIONS SUCH AS CLIMBING AND CUTTING



IP-READY

SINGLE OR DUAL ZONE

FIBER OPTIC TECHNOLOGY



Advantages of Fiber Optic Technology

- 20-Year Detection Reliability: Ensures long-term dependable operation.
- Extended Coverage: Capable of covering significant distances without intermediate power supplies.
- Interference Immunity: Resistant to atmospheric discharges and electromagnetic interference.
- Ideal for Critical Environments: Suitable for sites with corrosive, flammable, or explosive atmospheres due to the non-flammable nature of fiber optics..

Configuration

Fiber optics can be arranged in ring or chain configurations between analyzers, with a maximum length of 1000m per zone.

System Components

Sensitive Fiber Optic Cable (APACHE-FIBER CABLE):

Installed along the perimeter, sensitive to mechanical stresses caused by intrusions.

Non-Sensitive Fiber Optic Cable (APACHE-FIBER LEAD):

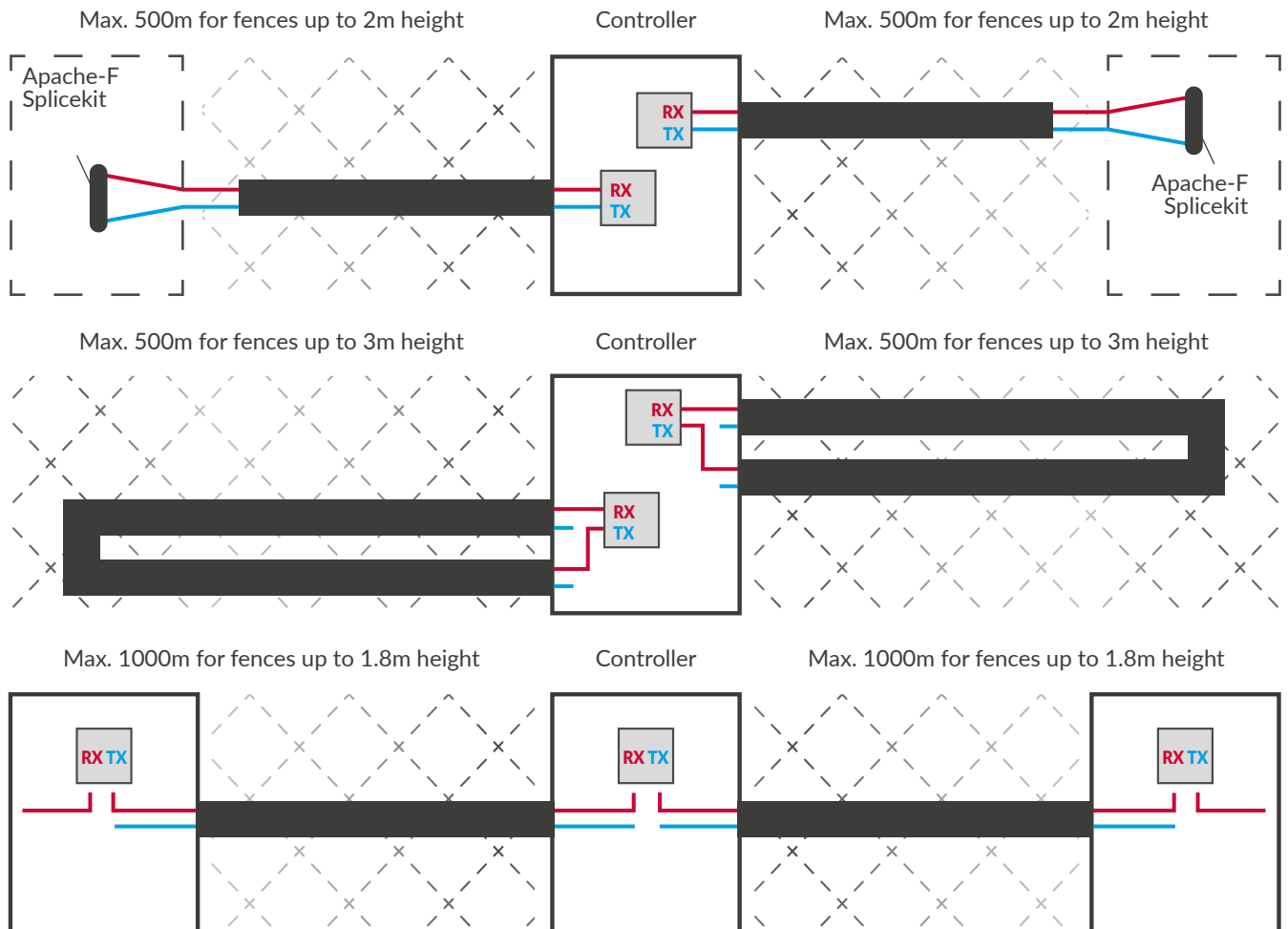
Used for connecting the analyzer or bypassing non-sensitive zones.

Analyzer (APACHE-FIBER CU1 or CU2):

Central unit for processing signals from the fiber optic cable. Programmable via display and buttons.

Centralized Supervision System (IB-System IP):

Provides centralized programming and management of Apache Fiber control units. Displays perimeter status via a synoptic interface or map.



TECHNICAL SPECIFICATIONS

OPTOPHONIC FIBER OPTIC SYSTEM	Multimode up to 1000m using a laser diode and spectrometric detection
ALARM RELAY	1A up to 30Vdc
RS232 PORT	For local programming
RS485 PORT	For alarm reception and SDK integration
PROGRAMMING TOOLS	3 buttons and 3 displays
AUDIO MONITOR OUTPUT	Integrated for signal monitoring
POWER SUPPLY	11-14 Vdc with 300mA consumption
OPERATING TEMPERATURE	-40°C to +70°C
PCB DIMENSIONS	158mm x 111mm
SINGLE FIBER PROTECTION	Suitable for fences up to 2m high
DOUBLE FIBER PROTECTION	Suitable for fences up to 4m high
COMPLIANCE	EN50131-1 Grade 3