

# Fiber Optic Cable Production Line

This production line is designed for manufacturing tight buffer fiber optic cables. It features machinery for cable forming, molding, and other processes essential for producing fiber optic cables.



## ADDITIONAL IMAGES



## Product Overview

### High-Efficiency Tight Buffer Production Line

This advanced production line is engineered for the manufacturing of tight buffer optical fiber cables, specifically designed for 0.6mm to 0.9mm diameters. It supports versatile cable structures including bare fiber with LSZH or PVC sheathing and is capable of steel wire plastic coating up to 1.0mm. The system integrates precise PLC and IPC control for consistent quality, making it an ideal solution for FTTH drop cable production.

## Operational Performance

### Key Performance Metrics

**350 m/min**

Structure Speed

**0.9 mm**

Max Outer Diameter

**1.2 N**

Max Fiber Tension

### Production Capacity

Material Type	Capacity
PVC Buffer	~18 km/h
LSZH Buffer	~12 km/h

## Technical Specifications

### Power & Utility

- Power Supply: 35KVA, AC380V  $\pm$ 10% 50HZ three-phase five-wire
- Running Power Consumption: ~17KW/h
- Production Line Length: d22M

### Reel Compatibility

25KM Standard, 50KM Standard, 200mm-400mm Diameter

### Optical Performance

Additional loss: d0.02DB/KM (SM fiber)

## Equipment Configuration

### Included Components

- Two heads fiber motorized pay-off
- Fiber Preheating oven
- 25KG dryer and hopper 30 Extruder
- PLC+IPC electricity control cabinet
- Movable water trough and warm water tank
- Cooling water trough and water tank
- Ink-jet printer stand device
- à400m wheel capstan
- Tension unit
- Take-up machine