

# Cable Jacketing Extrusion Line

This series of plastic extruders are used for extruding PVC, PE or XLPE insulating layer and protective jacket onto wires and cables. The system is engineered for continuous operation, high output, and precise control over jacket thickness and concentricity.



## Product Overview

### High-Performance Cable Jacketing Line

This cable jacketing extrusion line is engineered for high-efficiency production, utilizing solid gear speed-down motors for long-term, low-noise operation. The system features advanced thermal management, including aluminum casting heating and water-center screw cooling, monitored by precise temperature instrumentation for easy adjustment. The complete configuration includes pay-off, tensioning, extrusion, cooling, haul-off, and take-up units, ensuring consistent quality for protective jacketing applications.

## Technical Specifications

### Performance Parameters by Model

| Model | Screw Dia. (mm) | Take-up Size (mm) | Heat Voltage (kW) | Extruding Speed (kg/h) |
|-------|-----------------|-------------------|-------------------|------------------------|
| SJ45  | 15              | 630               | 7.5               | 34                     |
| SJ65  | 35              | 1600              | 16                | 120                    |
| SJ90  | 60              | 2000              | 25                | 240                    |
| SJ120 | 100             | 2500              | 37                | 400                    |
| SJ150 | 100             | 3150              | 64                | 680                    |

### Screw Length/Diameter Ratio

25 :1

## System Configuration

### Line Components

- Pay-off unit
- Tensioning unit
- Extruder
- Cool-water trough
- Haul-off unit
- Take-up unit
- Electrical control system

### Cooling Systems

Blower cooling, Water-center screw cooling, Cool-water trough