

Article Overview

Iranian manufacturers produce galvanized steel cable tray elbows designed for industrial and construction cabling systems, offering corrosion resistance and various angled configurations.

Overview of Cable Tray Elbows in Iran

Cable tray elbows are essential components used to change the direction of cable trays in electrical wiring systems. They are typically made from galvanized steel, which provides high resistance to corrosion and rust, ensuring durability in industrial and construction environments . These elbows are designed in angled shapes to facilitate smooth cable routing and improve system safety and performance.

Production Capabilities

Iranian manufacturers produce a wide range of cable tray components, including elbows, knees, three-way intersections, connectors, and supports. The production specifications generally include:

- o Material: Galvanized steel, steel ST37, or coated steel
 - o Thickness: 0.5 to 2 mm
 - o Width: 50 to 1100 mm
 - o Length: 2 to 3 meters for tray sections, with elbows customized to fit angles
 - o Coating: Hot-dip galvanized (60-70 microns) for high moisture resistance or cold galvanized (10-20 microns) for less demanding environments
- Manufacturers like Jooyeshgar and Eagle Barq Co. provide technologically advanced production lines capable of custom designs according to client specifications, including special angles and sizes for elbows .

Applications and Advantages

- o Industrial and construction cabling systems: Elbows allow smooth directional changes without damaging cables.
- o Corrosion resistance: Hot-dip galvanization ensures long-term durability in humid or outdoor environments.
- o Ease of installation and maintenance: Pre-fabricated elbows reduce installation time and improve system reliability .

Notable Iranian Manufacturers

- o Jooyeshgar: Offers a full range of cable tray systems and accessories, including elbows, with hot-dip and cold galvanization options .

Iranian cable tray manufacturer s elbow production

- o Eagle Barq Co.: Provides custom-designed cable tray systems and accessories, leveraging modern machinery and R&D for specialized elbow production .
- o Alborz Industrial Group: While primarily focused on PVC cable trays, they also provide diverse parts and connections suitable for angled installations .
- o Abhar Cable: Known for high-quality electrical cables and related accessories, including cable tray components . These manufacturers cater to oil, gas, petrochemical, pharmaceutical, and construction industries, ensuring compliance with industrial standards and providing technical support for installation and maintenance. In summary, Iranian cable tray elbow production is well-established, offering customizable, corrosion-resistant, and high-quality components suitable for a wide range of industrial and construction applications.

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Alborz Industrial Group is the first and only manufacturer of PVC cable trays in Iran, which has been able to produce and deliver this

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The cable tray market size has grown strongly in recent years. It will grow from \$5.4 billion in 2025 to \$5.73

billion in 2026 at a

Hot dip galvanized cable tray: Because this method is done with a higher percentage of microns, it has a very high

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