

Cable-type distribution box connector

Article Overview

Cable distribution box connectors are specialized interfaces that allow multiple cables to be bundled, connected, and distributed efficiently in industrial and field applications.

Overview

A cable distribution box serves as a central hub for connecting multiple cables to a master cable or controller, enabling organized signal, power, or data transmission. These boxes are widely used in industrial automation, sensor-actuator networks, and decentralized power distribution systems .

Connector Types

- **M12 Connectors:** Commonly used in industrial applications, available in PUSH-PULL female sockets or M12 screw plugs. They support multiple slots (e.g., 4–8 positions) and can include status indicators for PNP or NPN signaling .
- **M8 Connectors:** Smaller circular connectors suitable for sensor-actuator cabling, often used in compact or modular distribution boxes .
- **Push-in Connections:** Allow quick and secure cable installation without tools, suitable for cables ranging from 0.5 to 10 mm² .
- **Screw or Pluggable Connections:** Provide robust mechanical and electrical contact, often used for master cable connections or in environments requiring higher durability .

Features and Specifications...



Article Content

Nov 12, 2025

Cable Junction Boxes: 8 Types, Tech Specs & Installation

Explore 8 types of cable junction boxes, their tech specs, installation tips, and maintenance. Get expert insights on

Apr 07, 2026

Distribution Board Connector Types Explained: From Heavy-Duty to ...

This practical guide explains which connectors are used inside E-abel distribution boards and why heavy-duty

Dec 11, 2025

Passive Distribution Boxes from Murrelektronik

Passive Distribution Boxes from Murrelektronik Passive distribution boxes provide compact and easy solution for connecting sensors

Jan 10, 2026

Distributor boxes | Phoenix Contact

Use distributor boxes for quick and clear cabling in the field. Distributor boxes bundle several cables into

Jan 09, 2026

How to Install a Cable Distribution Box Safely and Correctly?

Understanding Cable Distribution Boxes A cable distribution box is an electrical device used to collect, distribute, and

Sep 06, 2025

M8 and M12 Distribution Boxes | DigiKey

Amphenol LTW M8 and M12 distribution boxes provide designers with versatile and reliable solutions for connecting

Dec 08, 2025

Box Connectors | McMaster-Carr

Choose from our selection of box connectors, including conduit and fittings, cord grips, and more. Same and Next Day Delivery.

Dec 04, 2025

Connection Boxes – Altgeld

Connection boxes are available for horizontal connection or cable entry and exit from below as well as from

May 09, 2026

Distribution Box

Amphenol LTW's distribution boxes facilitate efficient cable management, easy installation with pre-wired configuration, and provides

Jul 25, 2025

Power Distribution Blocks | Burndy

Discover cutting-edge Power Distribution Blocks from Burndy, engineered for superior performance in splicing and distributing power

Oct 01, 2025

Fiber Box Types and Applications in FTTH Network

Fiber optic cable connects each other with different fiber boxes, such as fiber cabinet, fiber distribution box, fiber

Sep 27, 2025

Cable Distribution Box, Outdoor Cable Junction Box

DOHO is a leading cable distribution box manufacturer and supplier. We cater to applications including

May 09, 2026

Distribution Box: Types and Functions | Axis-Electricals

A distribution box houses all the contact breakers, earth leakage units, doorbells, and timers. The electrical power supply comes from

Jun 06, 2026

Electrical Distribution Boxes for Power Distribution

Due to our pluggable electrical installation with the gesis® installation connector system, the distribution

Mar 18, 2026

Power Distribution Connectors | McMaster-Carr

Choose from our selection of power distribution connectors, including terminal blocks, electrical connectors, and more. Same and

Mar 03, 2026

PC Distribution Boxes for AB Cable|Axis Electricals

Explore the PC distribution boxes for AB cable accessories offered by Axis Electricals. Use our quality products to ensure efficient

Nov 15, 2025

Amazon : Cable Distribution Box

Global Recycled Standard (GRS) certified products contain recycled content that has been independently verified at each stage of

May 07, 2026

claude.ai

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Nov 16, 2025

Distribution boxes – For modular and decentralised solutions

Variable power distribution device for quick and safe connection A versatile system requires smart connection technology. The

Jun 05, 2026

Cable Connect Distribution Boxes

Types of Distribution Boxes A cable connect distribution box is a crucial component in electrical systems, designed to safely

May 22, 2026

Cable Distribution Box, Outdoor Cable Junction Box

A cable distribution box is a type of electrical equipment that is used to distribute power among several

Jul 15, 2026

Amazon : Cable Distribution Box

Contains at least 50% recycled material. Global Recycled Standard (GRS) certified products contain recycled content that has been

Jan 12, 2026

Distribution Box Guide: Types, Components & Solutions

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find

Nov 23, 2025

18 Types of Computer Connectors & Cables (With

This beginner's guide will walk through several types of computer connectors and cables,

Sep 19, 2025

Distributor boxes | Phoenix Contact

In decentralized connection technology, passive distributor systems connect the I/O devices to the PLC. Phoenix Contact provides a

Apr 30, 2026

SMC Distribution Box for AB Cable | Axis Electricals

Explore Axis Electricals' Sheet Molding Compounds (SMC) distribution box for efficient and organized power distribution. Contact us

Jan 14, 2026

Distribution Boxes Technical Data

DC Micro Style Distribution Boxes Four-pin, One Signal per Port Cable Connector
Distribution Box Eight-port DC Micro Distribution

Feb 28, 2026

Catalogues and brochures

The Gustav Hensel GmbH & Co. KG is a leading company specialising in the manufacture of innovative electrical installation and

Jun 04, 2026

What is a DB Box? Types, Wiring, Selection Guide

Learn everything about DB box (distribution box): what they are, how they work, wiring diagrams, types,

May 09, 2026

12 Types of Electrical Boxes and How to Choose

Learn about the many common types of wall and ceiling electrical boxes for switches, outlets, light fixtures, ceiling

Nov 26, 2025

Distribution Box and Selection Guide: Internal Structure, Components ...

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars,

Oct 09, 2025

Amazon : Cable Distribution Box

Electrical Distribution Box 80A Din Rail Electric Wire Connector Block Distribution Box Universal Power Junction Box You pay \$6.98

Jan 30, 2026

Distribution boxes – For modular and decentralised

Download our product catalogue for sensor-actuator cabling and circular connectors or our portfolio

Sep 21, 2025

Distribution Boards

Kabeldon distribution boards are specifically designed for outdoor installations and they come as pre-assembled systems, ready to

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg, 2196, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

