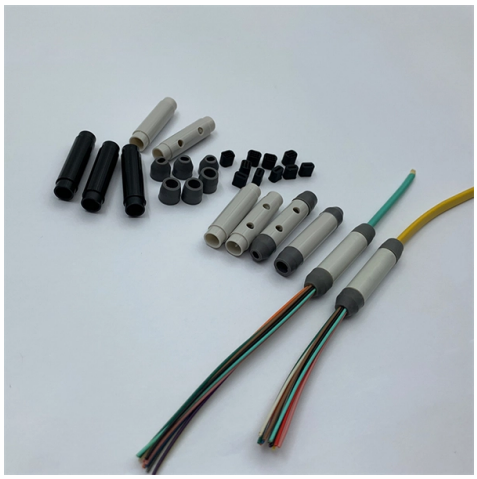
Plug-in type non-pinch optical cable junction box



Overview

With the connectable junction boxes from OBO, electrical connections can be routed effectively and flexibly. This saves a considerable amount of time during installation.

Key Takeaways

A plug-in type non-pinch optical cable junction box is designed to protect fiber optic connections while allowing easy plug-in installation without damaging the fibers. Key FeaturesNon-Pinch Design: These junction boxes prevent fiber bending or pinching during installation, maintaining the minimum bend radius of optical fibers to avoid signal loss or damage. Plug-in Connectivity: Equipped with pre-installed adapters such as LC or SC connectors, the plug-in design allows quick and secure connection of fiber pigtails or distribution cables without splicing, reducing installation time.

Environmental Protection: Many models feature IP65 or higher ratings, providing dust and water resistance for indoor and outdoor applications. Sealing is achieved through cable glands that accommodate varying cable diameters while maintaining mechanical strength. Capacity and Modularity: Depending on the model, junction boxes can accommodate multiple splicing trays or adapter ports.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

For example, compact boxes may hold 2–8 splicing cartridges or a combination of splice trays and distribution plates, supporting both small-scale and larger network deployments. Materials and Durability: Enclosures are typically made from robust materials such as ABS, polyamide, or GRP, offering mechanical strength, chemical resistance, and suitability for harsh industrial environments. Installation Flexibility: Some boxes feature quick-release fasteners, transparent lids for inspection, and compatibility with wall mounting or DIN rail systems, facilitating easy maintenance and network expansion.

ApplicationsFTTx Networks: Termination and distribution of fiber to homes or businesses. Industrial Fiber Networks: Harsh environments requiring robust protection and easy maintenance.

Indoor/

Outdoor Installations: Compact designs suitable for limited space or outdoor exposure. Example ModelsMR398-JB Series: Supports Duplex LC or ST connectors, IP65 rated, accommodates varying cable diameters, and provides environmental sealing.

LAP

P Group Splice Box Compact: Offers plug-in LC-D APC adapters, pre-prepared pigtails, and removable splice trays for fast installation. These junction boxes ensure safe, reliable, and efficient fiber optic connections while minimizing the risk of fiber damage during installation and maintenance.

Article Content

Connectable junction boxes | OBO

With the connectable junction boxes from OBO, electrical connections can be routed effectively and flexibly. This saves a considerable amount of time during installation. The junction boxes are

Cable junction box, Cable terminal box

Integrated junction box consisting of cable glands and a terminal block. Suitable for industrial facilities, power cable joint, relay between motors and/or sensors.

Terminal and Junction Boxes (Ex e, Ex i, Ex op)

The GR.TFO splice boxes in glass fiber reinforced IP66 polyester enclosures enable safe protection of fiber optic cable splices in hazardous areas. Each of these sturdy splice boxes can hold up to 8

Catalogues and brochures

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Founded in 1931, Hensel today represents a company group which is active worldwide and has about 1000 employees, 600 of which are in Germany. Download our current catalgoues, brochures.

Junction boxes and empty enclosures

We assemble your junction boxes individually according to your specifications or configure them for your individual application based on your requirements. Use

Junction boxes | Legrand E-catalog International

Square Plexo box with 7 direct entry membrane glands and smooth faces - IP55 IK07 - 80x80x45 mm - grey RAL 7035 Compare ADD TO PROJECT LEGRAND Plexo™

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 selection, common faults, and

Junction Boxes

The Series 55 are multipurpose junction boxes with double insulation. They feature high mechanical strength, excellent dust and water resistance, easy installation, and a wide range of possible

WORLD WIDE WEB JOURNAL Home

By clicking download, will open to start the export process. The process may take but once it finishes a file will be downloadable from your browser. You may continue to browse the DL while the export

Fiber Optic Cable Joint Box

Fiber Optic Cable Joint Box Riteoptic fiber optic cable joint box provides optical, sealing and mechanical strength of the continuity between adjacent fiber optic

Fiber optic junction box, Fiber optic terminal box

Find your fiber optic junction box easily amongst the 64 products from the leading brands (HS, LAPP, Cahors, ...) on DirectIndustry, the industry specialist for your

Odf fiber terminal box ODF

The optical fiber terminal box is the terminal joint of an optical cable, one end of which is an optical cable, and the other end is a pigtail, which is equivalent to a device that splits an optical

GINTOOYUN Fiber Optical Terminal Junction Box,4-Port Fiber Panel Box ...

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Applications: Suitable for FTTH, FTTO, FTTD and local area network.This optical fiber terminal box Can place FC, LC adapters. 4-Port Optical Fiber Desktop Box used in the home or work area, the

Optical Fiber Joint Box

OPGW Optical Cable Metal Joint Box/Splice Closure/Joint Closure Joint Closure/Splice Closure/Joint Box is mainly used for protecting the fiber optic junction between two cables and reserve a section of

Fiber Optic Cable Splice Closure / Opgw Cable

Cable Joint Box is designed for splicing ADSS,OPGW cables and the normal cables, including two to four sleeves for input and output.Loose storage space makes

Junction box for optical fiber 8 port IP69

Fiber optic distribution box to be mounted on the wall. Made of gray plastic and with IP69 protection against dampness and suitable to be installed outdoors.

Catalogues and brochures

Download our current catalgoues, brochures. International Catalogue, ENYCASE - DK Cable junction boxes, ENYBOARD - KV Small-type Distribution Boards up to 63 A, ENYFLEX - Empty enclosures in

What Is an Optical Junction Box and Its Benefits?

An optical junction box is a vital component in fiber optic networks. It serves as a termination point for fiber optic cables, providing protection and distribution of the optical fibers while ensuring efficient

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved