

A patent for an optical cable junction box



Overview

The present invention relates to an optical cable junction box, and more specifically, to a dome-type mechanical optical cable junction box with improved sealing at the cable inlet and outlet sections and an enhanced cable fixing structure. Search specific patents by importing a CSV or list of patent publication or application numbers. The invention relates to the field of optical cable optical fibers, and provides an optical cable junction box. The box has a hollow support (3) suitable for a tensioned connected cable crossing (C) and a spacer. (57) A fiber routing insert (1) for an optical junction or distribution box (100), comprising: a first floor (10); first guide elements (20) extending, along a spacing direction (X-X) transversal to the first floor (10), from the first floor (10) to first ceiling portions (30), the first guide. An optical cable junction box, waterproof and dustproof technology, applied in the direction of light guide, optics, optical components, etc.



Article Content

Jan 20, 2026

Waterproof and dustproof optical cable cross-connecting box

The invention discloses a waterproof and dustproof optical cable cross-connecting box, and the box comprises an optical cable cross-connecting box body; two winding mechanisms which

Jan 02, 2026

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

Jun 20, 2026

How to Choose the Right Optical Junction Box?

Optical junction boxes, also known as fiber splice boxes or fiber distribution boxes, serve as critical components in the optical fiber network. They accommodate and protect the fiber splices

Oct 16, 2025

U.S. Patent Application for OPTICAL CABLE CONNECTION BOX

Embodiments of this application disclose an optical cable connection box and an adapter, and belong to the field of optical cable connection technologies.

Jul 11, 2025

Which Fiber Optic Junction Box is Best?

Which Fiber Optic Junction Box is Best? When it comes to fiber optic junction boxes, a variety of options are available. Usually, a common question asked by customers is which box is best for their

Jan 21, 2026

EP4617753A1

It is to be noted that in the attempt to save space, the optical junction box and cabinet of the state of art provide complex solutions for optical fibers and optical cables routing,...

Jan 08, 2026

Termination boxes

Termination boxes In a single family house or in an apartment the optical access fibres are typically terminated to a small termination box. Termination box may be installed in the home distributor

May 18, 2026

Fiber Optic Splice Closure, Electrical Cable Junction

Fiber optical splice closure is widely used in communication, network systems, CATV cable TV, optical cable network systems, and so on. It is used for protective

Jul 31, 2025

Microsoft PowerPoint

Prysmian Part Numbers: - See page 3 EWMJ joint boxes are specially designed to provide the maximum versatility for OPGW cable splicing, which enables their use in OPGW and other optical

Jul 30, 2025

Fiber Terminal Box vs. Junction Box: What's the Difference?

Learn the difference between a fiber terminal box and a fiber junction box, including functions, applications, capacity, and installation scenarios. ZION Communication provides a

Jun 18, 2026

Junction Or Outlet Box (16) Patents (Class D13/152)

Junction Or Outlet Box (16) Patents (Class D13/152) Cable organizer Patent number: D1053701 Type: Grant Filed: April 17, 2024 Date of Patent: December 10, 2024

Jul 01, 2025

770.133 and junction boxes

So I would like to see if I can get some clarification on some terms and this situation in general: 770.133 in regards to non-conductive fiber and power cables: "Non-conductive optical fiber

May 30, 2026

Optical fiber junction box connection

An optical fiber junction box as set forth in claim 2, wherein the fastening means includes an elongate self locking fastener and a cable tie receiving slot formed in the wall of the box.

Dec 25, 2025

Fiber Optic Cable Junction Boxes royalty-free images

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Aug 07, 2025

Optical cable junction box and adapters

An optical cable junction box (100) and adapters (2), relating to the technical field of optical cable connection. The optical cable junction box (100) comprises a box body (1), at least one pair of

Jul 05, 2025

EP4617753A1

An optical cable junction box (1) comprising a base member (10) configured to receive optical cables (2) comprising one or more optical fibers (3); a dome-shaped cover member (20) configured to define

Feb 13, 2026

OCC Patent Information

OCC Patent Information This page is intended to provide notice under 35 U.S.C. § 287 (a) for the products and associated patents listed below. Additional patents may be marked on products or

Nov 30, 2025

ADSS/OPGW Metal Junction Box

FOSC Metal Joint Junction Box For Pole and Tower ADSS/OPGW 12, 24, 48, up to 144 Cores Aerial Fiber Optic Cable Splice Closure, Contact Us for Details Now!

Aug 21, 2025

Novel multifunctional simple optical cable conjunction box

Design and develop a new type of junction box, which can meet the functions of optical fiber splitting, effective reeling of remaining optical fibers,

Oct 10, 2025

How Does an Optical Junction Box Work?

How an Optical Junction Box WorksAn optical junction box (OJB) is a crucial component in fiber optic networks, connecting various fiber strands and facilitating efficient data transmission.

Feb 06, 2026

WO2023142566A1

Each sealing unit (110) is provided with at least one through-hole (111) for mounting an optical cable. The optical cable is adapted to extend and enter the accommodating cavity (131)...

Sep 10, 2025

WO/2024/109241 OPTICAL FIBER JUNCTION BOX

The present invention provides an optical fiber junction box which is used for optical cable fusion splicing, and which comprises a box cover, a base, and a main body disk assembly. The

Jun 28, 2025

Fiber Optic Junction Box Suppliers, Manufacturer, Distributor ...

Alibaba offers 659 Fiber Optic Junction Box Suppliers, and Fiber Optic Junction Box Manufacturers, Distributors, Factories, Companies. There are 445 OEM, 396 ODM, 137 Self Patent. Find high quality

May 02, 2026

WO/2023/200145 DOME-TYPE MECHANICAL OPTICAL CABLE

A dome-type mechanical optical cable junction box according to the present invention comprises: a support frame on which overhanging plates for connecting optical cables are provided; a base

Sep 03, 2025

All You Need To Know About Fiber Termination Boxes:

Source In this blog, we will discuss the two types of fiber optic cables and the role of a simple yet essential piece of equipment in the fiber laying

Mar 28, 2026

FIBER ROUTING INSERT AND OPTICAL JUNCTION OR

In particular, the present invention relates to a fiber routing insert for an optical junction or distribution box for locking and splicing fiber. The present invention further relates to an optical

Sep 18, 2025

Cable junction box, particularly for optical fibers

United States Patent 6529669. A junction box for a single-tube cable, and particularly an optical fiber cable for the connection of one or several wires or fibers of the cable to one or several wires or fibers

Sep 11, 2025

DOME-TYPE MECHANICAL OPTICAL CABLE JUNCTION BOX

The present invention relates to an optical cable junction box, and more specifically, to a dome-type mechanical optical cable junction box with improved sealing at the cable inlet and outlet sections and

Contact Us

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