Optical Cross-Connect Box in CAD Drawing

Article Overview

Optical Cross-Connect (OXC) boxes can be represented in CAD drawings using downloadable 2D, 3D, and BIM models from suppliers like Corning, TraceParts, and CADBull.

CAD Resources for OXC Boxes

1. Corning LANscape(R) Solutions Corning provides a Product Drawings Resource Center where you can download optical hardware component drawings in multiple formats including PDF, DXF (AutoCAD), VSS (Visio), and BIM objects for Revit. These files can be directly inserted into your CAD designs or building specifications, ensuring accurate representation of OXC boxes and related optical components . 2. TraceParts CAD Library TraceParts offers 3D CAD models of optic fiber connectors compatible with software like SolidWorks, Inventor, Creo, CATIA, AutoCAD, and Revit, as well as neutral formats like STEP, STL, IGES, DWG, and DXF. These models can be used to assemble OXC boxes in your CAD environment and integrate them with structured cabling layouts . 3. CADBull AutoCAD Drawings CADBull provides AutoCAD drawing files for optical connection and structured wiring passage boxes, which include detailed layouts for fiber-optic cables and structured cabling subsystems. These drawings are suitable for commercial building designs and can be used to plan OXC box placement, cable routing, and patch panel integration .

Integration Tips

o Structured Cabling Context: OXC boxes are part of a structured cabling system, which includes fiber-optic cables, patch panels, and connectors. CAD drawings should reflect the "home run" connections from the OXC box to endpoints for accurate network planning .
o Symbol Usage: For schematic diagrams, you can use standard fiber optic symbols (e.g., bowtie for splices) in AutoCAD or Visio to represent OXC connections .
o BIM Integration: If using Revit, BIM objects allow you to model OXC boxes in 3D within building layouts, facilitating clash detection and space planning .

Recommended Workflow
o Download CAD or BIM files from Corning or TraceParts for the specific OXC box model.
o Insert the drawing into your AutoCAD or Revit project.
o Connect fiber-optic cables using structured wiring standards, ensuring proper routing and labeling.
o Use schematic symbols for network diagrams to complement physical layouts. By leveraging these resources, you can accurately represent Optical Cross-Connect boxes in CAD drawings, integrate them into structured cabling designs, and maintain consistency across 2D schematics and 3D building models.

Optical Cross-Connect Box in CAD Drawing

For part numbers, download the PDF document. For part number, download the PDF. For part numbers, download the PDF

Corning"s family of optical cross-connects (OCCs) are versatile, fully enclosed cabinets designed for fiber optic rack-mountable

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Development of a fiber optic crossing through pipes with high pressure oil pipelines. includes: planimetry and details with specifications.

Download CAD block in DWG. Fo (fiber optic) record media details include plans, sections and views (627.09 KB)

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All products in this family offer modular design for in-cremental growth and are ideal as outdoor protected

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Description The AutoCAD drawing file shows the details of Optical Connection & Structured Wiring - Passage Boxes Details for a

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