

How many meters are in a reel of 48-core OPGW optical cable



AI Overview

A standard reel of 48-core OPGW optical cable typically contains 1,000 to 2,000 meters of cable, depending on manufacturer and project specifications. Typical Reel Lengths OPGW (Optical Ground Wire) cables, including 48-core designs, are usually supplied on wooden or steel drums for overhead transmission line installation. The exact length per reel can vary based on: Cable diameter and weight: Higher fiber counts or armored designs increase weight, reducing the maximum reel length. Manufacturer standards: Some suppliers provide reels of 1,000 m, 1,500 m, or 2,000 m as common options. Project requirements: Custom lengths can be requested for specific transmission line spans or installation logistics. Considerations A 48-core OPGW cable typically features: Central stainless steel tube containing the optical fibers for protection against mechanical stress and environmental conditions. Aluminum-clad steel (ACS) or aluminum alloy wires surrounding the central tube to provide tensile strength and lightning protection. Dual functionality: It serves as both a grounding wire and a high-speed optical communication medium. Practical Implications When planning installation: Check the manufacturer datasheet for the exact reel length, as it may differ slightly from standard ranges. Consider handling and transport: Longer reels are heavier and may require specialized equipment for installation. Splicing and jointing: Knowing the reel length helps in planning fiber splices and minimizing signal loss over long transmission lines. In summary, while the exact length of a 48-core OPGW reel depends on the supplier and cable design, most reels contain between 1,000 and 2,000 meters of cable, which is sufficient for typical high-voltage transmission line spans.

Article Content

OPGW 48-Core Cable Price Guide: How to Evaluate & Choose

A practical, no-fluff guide to evaluating 48-core OPGW cable pricing, specs, and real-world suitability—based on current supplier data, installation realities, and project-scale trade-offs.

Product Catalog

Optical Ground Wire (OPGW) Cable Fiberon OPGW is one of the most reliable fiber optic mediums for the telecom service providers, ISPs, Cable TVs, or other organizations who are involved in the

48 Core OPGW Cable_HuaDong Cable & Wire

What is 48 Core OPGW Cable ? The Central Tube Optical Ground Wire (OPGW) is surrounded by single or double layers of aluminum clad steel wires (ACS) or mix ACS wires and aluminum alloy

Fiber Optic Cable Reel Sizes

Discover our Fiber Optic Cable Reels. Find out about our cable drum dimensions, weight, length, standard spool and wooden cable reel sizes.

AFC CABLE SYSTEMS DNO5152 Multiplex Overhead | WESCO

Description Fiber Optic Aerial Cable: Type - OPGW Optical Ground Wire; Size - AC-34/52/646; Fibers - 48 Fiber; RBS - lb - 18053 lb RBS; RBS - kg - 8189 kg RBS; Fault Current - 172 (kA)sq-sec; Overall

OPGW Optical Fiber Composite Ground Wire

OPGW Optical Fiber Composite Ground Wire Fiber Type: G652D; G655C; 657A1; 50/125; 62.5/125; OM3; OM4 As Options□ Core Types: opgw 12 24 36 48 70 96 144 fiber□ Cable Opgw 24 Fibras

48 Core Opgw Fiber Optic Cables, 1 Km, Armoured

It combines the functions of a ground wire, providing lightning protection and fault current grounding, with the ability to carry optical signals for communication and data transmission.

[Hot Item] 48 Core Opgw Fiber Optic Cable Single Mode

Company Introduction:Shandong Inlink Optoelectronics Technology Co., Ltd. is a professional manufacturer of optical fiber composite overhead ground wires, power non-metallic optical cables

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Spe For Opgw 48F India | PDF | Optical Fiber

This document provides technical specifications for an optical ground wire (OPGW) cable manufactured by ZTT India Pvt. Limited. The OPGW cable contains 48 optical fibers in a loose tube structure

OPGW 48 Core Optical Fiber Cable

What is OPGW 48 Core Cable? OPGW, or Optical Ground Wire, is a self-supporting cable used for the installation of optical fibers on overhead power transmission lines. It consists of lightning protection

China 48 Core Opgw, 48 Core Opgw Wholesale, Manufacturers, Price

You gain latest optical fiber specifications, tracking top market trends, and direct wholesale access for competitive pricing. For industry-leading electrical buyers, submit an inquiry to check availability.

24 36 48 72 Core OPGW Optical Ground Wire Cable Composite Fiber

Specializing in the research, development, production, and sales of optical cables ranging from 2 to 288 cores, the company is committed to delivering innovative and high-quality solutions.

48 Core/24Cores OPGW Fiber Optic Cable

OPGW Fiber Cable With IEEE1138 Standard (Model: OPGW) Structure: Stainless steel loose tube The stainless steel loose tube, ACS and outside AA can be

The Details of 48 Core OPGW Fiber Cable from Hunan Jiahome

the maximum building length for a 48 core OPGW fiber cable is 6000 meters. It is important to note that the maximum length may depend on various factors, such as the cable's design, the environment in

CentraCore OPGW F

CentraCore OPGW OPGW provides all of the benefits of a traditional shield wire, such as providing short circuits communication. The CentraCore design family can provide t compact, light weight, high

24 Core and 48 Core Fiber Optic Cable

24 Core and 48 Core Fiber Optic Cable Fiber optic cable is a cable containing one or multiple optical fibers that are used to transmit the signal. The optical fiber elements are typically individually coated

Item # OPGW (AL-Tube)-1S 48 (M81/R48-55), OPGW Optical Ground

IEC 60794-1-2 Optical fiber cables-Part 1-2: Generic specification - Basic optical cable test procedures IEEE1138-2009 IEEE Standard for testing and performance for optical ground wire (OPGW) for use

CentraCore OPGW Cable | Central Tube Optical Ground Wire | AFL

AFL CentraCore OPGW (Optical Ground Wire) is preferred for its compact size and ability to house up to 96 fibers in a diameter starting at only 12mm. Its small profile offers an exceptional solution to the

OPGW 24 & 48 Core Specifications | PDF | Fibers | Optical Fiber

This document provides specifications for two types of OPGW fiber optic cables: a 24 core cable and a 48 core cable. Both cables use single mode fibers housed within loose buffer tubes made of stainless

Incab America LLC: Fiber Optic Cable Manufacturers & Company

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

TECHNICAL SPECIFICATION Optical Ground Wire

1.1 SCOPE This specification covers Optical Ground Wire Cables (OPGW) for the installation on high voltage overhead power lines. The cable contains optical fibers for data transmission and telecom

CentraCore Optical Ground Wire OPGW | AFL EMEA

AFL CentraCore OPGW (Optical Ground Wire) is preferred for its compact size and ability to house up to 72 fibers in a diameter starting at only 12mm. Its small profile offers an exceptional solution to the

OPGW 24 & 48 Core Specifications | PDF | Fibers | Optical Fiber

OPGW-GTP-EN - Free download as PDF File (.pdf), Text File (.txt) or read online for free. This document provides specifications for two types of OPGW fiber optic cables: a 24 core cable and a 48

Reel Dimensions

Reel Type Dimensions, mm Reel weight with lagging, kg A B C D E 4 400 370 300 5 5 500 560 320 510 9 6 600 560 320 510 10 8b 800±15 576±10 450 500±5 72±2 50 10 ...

Item # OPGW (AL-Tube)-1S 48 (M96/R82-64), OPGW Optical Ground

Two or three stainless steel optical tubes are helically stranded in the inner layer of a multiple-layer cable. The multi loose tube type is designed mostly for very high fiber count requirement over 48 with

Contact Us

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