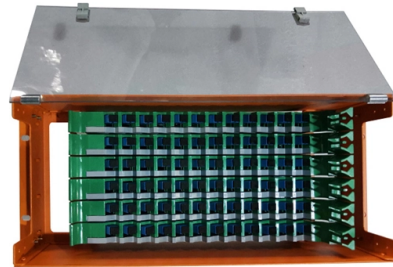


CGN Technology Optical Cable Sheath Material



Overview

The low-smoke, high- and low-temperature-resistant halogen-free sheath material for 5G optical cables has the advantages of low friction coefficient, low shrinkage, high and low temperature resistance, and simple preparation method. EN 50618:2014 The standard (s) listed here reflect the status at the time of the release of this certificate. The certificate of conformity (CoC) refers to the product specified in the certificate. The sheath material comprises the following raw materials in parts by mass: 15-30 parts of micro-crosslinked EVA. Recently, the Guangdong High-tech Enterprises Association announced the "Official List of Famous High-tech Products in Guangdong Province in 2023." Three products of CGN Delta (Zhongshan) Polymer Co. Specialized in R&D, manufacture, and sale of high polymer materials, CGN. JIANGYIN EXCEN is part of CGN Advanced Materials Group, the group of companies is founded in 1984. Today, with its total capital 996 hundred million RMB, employing more than 2000 people, it is a first-class group company of innovative polymer materials in China. EXCEN is a professional manufacturer.



Article Content

Jun 13, 2026

Optical Cable Sheath Material OFNP, OFNR and LSZH Analysis Report

Conclusion: OFNP, OFNR and LSZH materials have their own focuses. The optical cable sheath should be reasonably selected according to the specific building structure, population density

Jan 16, 2026

Indoor optical fiber cable outer sheath material

In this article, we will discuss the different types of outer sheath materials used in indoor fiber optic cables and the fire prevention levels associated with each type.

Aug 31, 2025

How To Choose Fiber Cable Outer Sheath Materials?

Choosing the appropriate outer sheath material for fiber optic cables is crucial for ensuring the cable's durability, protection, and performance under specific environmental conditions.

Oct 29, 2025

SUNUA | Cable Compound Manufacturers, Wire and Cable

As one of the leading Cable Compound Manufacturers in China, SUNUA provides a variety of cable materials engineered to resist cracking. Our offerings include environmentally friendly Low Smoke

Nov 18, 2025

Certificate No. AK 50572675

The certificate demonstrates that a product sample was tested and evaluated at a specific time, and found to be in conformity with the assessment requirements specified in the certificate. A CoC is

Feb 16, 2026

Optical Fiber Cable Sheath & Fire Rating Guide

Learn how to choose the right optical fiber cable sheath and understand fire ratings for optimal data center safety and performance.

Jul 24, 2025

Fiber Optic Cable Components & Materials: Complete

Explore the 5 key fiber optic cable components and materials used in modern networks. Learn how glass, coatings, and strength members affect

Sep 09, 2025

CGN Advanced Materials Group Co., Ltd., China

Currently the main products include high polymer material for cable compound, engineering plastics and environment-friendly renewable resources. The products are applied in electric power,

Feb 16, 2026

Cable Sheath Materials

PVC (Polyvinyl Chloride) – as a sheath material, PVC is used extensively because of its low cost and good overall properties – high physical strength, good moisture resistance, adequate oil resistance,

Dec 06, 2025

Semi-Conductive PE sheathing Compound for High

The semi-conductive PE sheathing material for high-voltage cables, developed by CGN Advanced Materials Group, ensures the safe and stable operation of

Dec 25, 2025

Optical cable material selection and aging

The optical fibre must be of high quality which is verified through different qualification tests including long-term aging such as temperature aging, water aging, sunlight aging and color stability. To protect

Aug 03, 2025

Optical cable material selection and aging

Readers of this document are encouraged to seek information on specific matters regarding Optical cables and components from the manufacturer or provider and to consider the Technical Standards

Mar 16, 2026

Optical Cable Sheath Market Size, Share, Trends & Forecast

This move towards sustainable manufacturing aligns with broader trends in the industry, including the integration of smart technologies. For a deeper understanding of these innovative materials, explore

Jan 27, 2026

About Us

Nowocable is a Chinese supplier that specializes in international sales for optoelectronic new materials such as PBT, PE, TPEE for optical fiber cable and optical fiber.

Sep 01, 2025

Indoor optical fiber cable outer sheath material

Indoor fiber optic cables are an essential component of modern telecommunications infrastructure, providing fast and reliable data transmission within buildings and other indoor

Mar 10, 2026

LSZH Material For Optical Fiber Cable

It is widely used in the sheath and insulation layer of modern fiber optic cables for its excellent characteristics of low smoke density and no release of

Jan 29, 2026

Application Notes

Abstract The cable jacket provides the first line of defense against the surrounding environment. It resists water entry while remaining inert to gases and liquids that the cable may be exposed to

Sep 09, 2025

Fiber-optic cable

A fiber-optic cable, also known as an optical-fiber cable, is an assembly similar to an electrical cable but containing one or more optical fibers that are used to carry

Feb 27, 2026

LLDPE Cable Jacket Material Data Sheet

1. Product Description LLDPE sheathing material is made of partially recycled high-molecular polyethylene as the main raw material, with the addition of various additives. It is modified by

Jan 13, 2026

Fiber optic cable outer sheath material

Fiber optic cable with sleeve material. Select fiber optic cables of different materials according to the layout area Generally speaking, Plenum fiber optic cables are suitable for use in

Dec 04, 2025

Three products of CGN (Zhongshan) Delta were rated as "2023

The low-smoke, high- and low-temperature-resistant halogen-free sheath material for 5G optical cables has the advantages of low friction coefficient, low shrinkage, high and low temperature resistance,

Oct 18, 2025

CGN Advanced Materials Group Co.,Ltd

Adhering to the operation principle of "technology leading and healthy development", CGN devotes itself to becoming a material company that is first-class in China

Jul 29, 2025

About Us

Nowocable has won the dealership from CGN and EXCEN brand in 2021. We are responsible for international sales, brand promotion, after-sales service and other related business activities for

Dec 10, 2025

Selection of the Correct Optical Cable Outer Jacket for the Application

Introduction This Cable Jacket Selection Note is intended to provide the reader with an organized selection methodology when selecting the optimum optical cable for a specific application. Sheath

Jan 10, 2026

CGN Nuclear Technology Development (SHE:000881) Company

CGN Nuclear Technology Development Company Description CGN Nuclear Technology Development Co., Ltd. manufactures and sells cable materials and industrial electron accelerators in

Feb 18, 2026

Structure and Material of Optical Fiber Cable

As we all know, optical cable is an optical information transmission medium consisting of optical fibers, polymer materials, metal-plastic composite

Aug 23, 2025

optical fiber optical fiber cable fiber optic cable material and equipment

The company provides integrated solutions across the entire optical fiber and cable industry chain, from upstream raw materials and manufacturing equipment to downstream finished cables and technical

May 18, 2026

Low-friction, low-shrinkage, high-temperature-resistant, low-smoke

The invention discloses a low-friction, low-shrinkage, high-temperature-resistant, low-smoke and halogen -free sheath material for 5G optical cables and a preparation method thereof.

Oct 26, 2025

China Cable Yarn, Sheath Material, LSZH Sheath

BeiDou Network is one of the suppliers for cable related products in the international market. Our products have been strictly in compliance with ISO9001 and widely

Contact Us

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