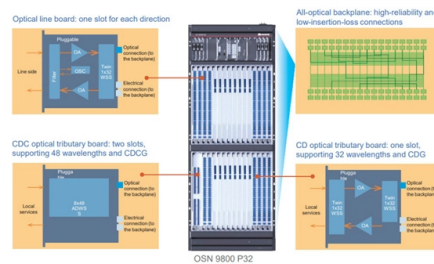


## What is the material of OFN optical cable



### Overview

OFN is an Abbreviation for optical fiber nonconductive. OFN is the designation given by the National Fire Protection Association (NFPA) to interior fiber optic cables that contain no electrically conductive components and are not certified for use in Plenum or Riser applications. Like any other types of fiber optic cables, active optical cables are made up of many. A PVC cable (made of polyvinyl chloride) has a jacket that gives off heavy black smoke, hydrochloric acid, and other toxic gases when it burns. That means that choosing the right cable jacket is often independent of choosing the fiber setup. Each optical cable is constructed using a precise combination of optical fibers, strength members, buffer tubes. LSZH (low-smoke zero-halogen) is optical cables' most common flame-retardant material. In this article, Bonelinks will introduce what is OFNP OFNR and LSZH cables and.



## Article Content

What are OFNP, OFNR, OFNG and OFCG? Understanding Fiber

OCFG stands for Optical Fiber Conductive General-Purpose. They have the same fire characteristics as OFNG cables but they have conducting armor or central strength members which is typically steel.

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What's the difference between PVC vs. LSZH vs. OFNP vs. OFNR

This is the highest level of fire rated cable, no other cable can be used as a substitute. OFNP plenum cables can be used as an alternative to OFNR fiber cables.

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Average cost of fiber optic cable per foot – material + installed Data aggregated from Q1 2026 contractor invoices across Texas, Ohio, and North Carolina. Cost per

Optical fiber, nonconductive, riser

Optical fiber, nonconductive, riser (OFNR) is a type of optical fiber cable. As designated by the National Fire Protection Association (NFPA), this name is used for interior fiber-optic cables which contain no

## Contact Us

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