

## What is a C-network optical cable



### Overview

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 light. The optical fiber elements are typically individually coated with plastic layers and contained in a protective tube suitable for the environment where the cable is used. Different types of cable are used for fiber-optic communication in different

Design Optical fiber consists of a core and a cladding layer, selected for due to the difference in the refractive index between the two. In practical fibers, the cladding is usually coated with a protective layer. In September 2012, NTT Japan demonstrated a single fiber cable that was able to transfer 100 terabits per second (10<sup>14</sup> bits/s) over a distance of 50 kilometers. Although larger cables are available, the highest transmission rates are achieved with single-mode fibers. This list includes both standards-based and real-world technical cable types utilized in fiber-optic infrastructure, telecoms, enterprise, and outdoor applications. • OFC: Optical fiber, conductive • OFN: Optical fiber, non-conductive



## Article Content

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Network Cable Types and Specifications

This tutorial explains the types of network cables used in computer networks in detail. Learn the specifications, standards, and features of the coaxial cable, twisted-pair cable, and the

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