

Fiber Optic Cable Color Standard Reference Table



Article Overview

The TIA-598-C standard defines a universal 12-color sequence for fiber optic cables, including jacket, individual fiber, and connector colors, ensuring consistent identification across installations.

Overview of TIA-598-C

The TIA-598-C standard is the widely adopted color-coding system for fiber optic cables in the United States and internationally. It provides a consistent framework for identifying fibers, buffer tubes, cable jackets, and connectors, which reduces miswiring, speeds installation, and enhances safety in high-density networks . The standard applies to both premises and outside plant cables and supports identification of single fibers, fiber ribbons, and fiber subunits .

12-Fiber Color Sequence

Individual fibers within a multi-fiber cable follow a 12-color repeating sequence:

- Blue
- Orange
- Green
- Brown
- Slate (Gray)
- White
- Red...

Article Content

Dec 03, 2025

FIBER OPTIC CABLES COLOR CODES

Loose tubes in cables ... **In cable with a multi-layer construction color of the tubes will be repeated in second layer ***In case of

Oct 19, 2025

Fiber Optic Color Codes for Fibers, Tubes and Connectors

Technical guide to TIA-598-C and IEC fiber color standards used for cable identification, connector types, and high

Oct 05, 2025

Fiber Color Code Guide: Latest EIA/TIA-598 Standard

This guide explains the latest EIA/TIA-598-D fiber color-coding standard used to identify fiber types, inner fiber

Apr 26, 2026

Fiber Optic Color Code: The Ultimate TIA-598-C Guide

What is the standard 12-color sequence for fiber optics? Under the TIA/EIA-598-C standard, the universal

Feb 22, 2026

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FIBER OPTIC CABLES COLOR CODES FIBER COLOR CODES IN LOOSE TUBE CABLE DESIGN Other colors available on

Mar 26, 2026

Color Arrangement Rules For Optical Fiber

For large fiber counts, tubes or fibers may also have additional markings, such as stripes or rings, to avoid confusion.

Jan 15, 2026

Fiber Optic Color Code Chart For 144 and 288 Count Cables

This is an update on a post we made a few years ago for a 144 count fiber color identification chart. Since then we have noticed

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Fiber optic strand & tube color codes in splice.me

So every fiber cable factory, and there's a huge amount of them, produces fiber cables with its own strand color code.

Jan 07, 2026

A Beginner's Guide To Fiber Color Code: Simplifying Optical

Fiber optic cables play a vital role in optical networking, yet the complexity of fiber color codes often leaves technicians

Oct 06, 2025

Fiber Color Code: The Ultimate Guide to TIA-598 Standards ...

We'll break down the TIA-598 color code standard —the industry's universal language—into a simple, actionable

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Color Code Guide For Fiber Optic Specifications

Tubes with 24 uniquely colored fibers: Fibers 1 to 12 use the standard blue through aqua color sequence. Fibers 13 to 24 use black

Jan 30, 2026

Understanding Fiber Optic Color Codes: A Simple Guide

A simple guide to fiber optic color codes: EIA/TIA-598-C standards, jacket and connector colors, fiber color order, and

May 19, 2026

Fiber Color Code Guide | TIA-598 Standard for Fiber Optic ...

Learn everything about the Fiber Color Code based on the TIA-598 standard. Understand outer jacket colors, inner

Aug 13, 2025

All Fiber Color Code Charts in One Place (download PDFs)

Many sources will offer color code charts of cables up to 576 fibers, which are usually 24 tubes * 24 fibers. With a

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The FOA Reference For Fiber Optics

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Fiber Optic Cable

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Color Codes Card

Guide To Fiber Optic Color Codes Fibers, Loose Tubes & Ribbons Blue Orange Green Brown Slate White Red Black Yellow Violet

Feb 18, 2026

Major Recommendations: Optical

G.657The characteristics of a bending-loss insensitive single-mode optical fibre and cable for the access network These standards

Aug 20, 2025

Complete Guide on Fiber Optic Color Code | Network Drops

Learn the fiber optic color code system, its importance, and how to correctly identify wires for easy and efficient

Apr 02, 2026

Fiber Optic Color Code Chart | TIA-598-C Reference Tool

Look up tube and fiber colors for any cable count, or find a fiber number by color combination. Based on the ANSI/TIA-598-C

May 07, 2026

Fiber Optic Cable Colors: Your PDF Guide!

Fiber Optic Cable Color Code Chart PDFs: A Comprehensive Guide This guide explores the essential aspects of fiber

Aug 21, 2025

Color Codes and Counting Directions for Fiber Optic Cables

Fiber Ribbon Cables This section describes the color codes for fiber ribbon cables according to both the S12 system, (method 1 with

Dec 09, 2025

Fiber Optic Color Code: Complete Guide 2026

Loose tube fiber optic cables group fibers inside buffer tubes, with each tube potentially housing up to 12 fibers. Color coding in these

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