

Color mapping for optical cable splicing



Summary of Content

Optical fibers are color-coded according to the TIA-598-C standard to ensure accurate splicing, with a 12-color sequence for individual fibers and additional tube colors for high-fiber-count cables.

Standard 12-Fiber Color Sequence

For most optical fiber splicing, each fiber is assigned a specific color in the following order, which repeats for cables with more than 12 fibers:

- Blue
- Orange
- Green
- Brown
- Slate (Gray)
- White
- Red
- Black
- Yellow
- Violet
- Rose (Pink)

Article Content

Fiber Optic Color Code Chart (TIA-598): 1-144 Fibers

Use the TIA-598 color chart to identify fibers and buffer tubes in 12-, 24-, 48-, and 144-fiber cables, plus jacket and

Optical Fiber Splicing and Safety Guide

The document discusses the structure, color coding, jointing/splicing techniques, losses, and safety precautions related to optical

Color Arrangement Rules For Optical Fiber

The color arrangement for optical fiber cables is standardized to ensure consistent identification of individual fibers

Splice.me | Create fiber splice diagrams in seconds

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Fiber Optic Color Codes for Fibers, Tubes and Connectors

You rely on these color systems to ensure correct fiber routing, splicing accuracy, tube identification, polarity

Fiber Optic Color Code: Chart, Real-World Cases

Learn what a fiber optic color code is and why it's essential for keeping your network

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

Fiber Optic Color Code: Chart, Real-World Cases & Best Practices

Learn what a fiber optic color code is and why it's essential for keeping your network organized and reliable in this

Fiber Optic Cable Color Code: Complete Installation and Identification ...

This comprehensive guide covers the complete TIA-598-C color coding standards, including fiber optic cable jackets

Fiber Optic Cable Color Code: Complete Installation

This comprehensive guide covers the complete TIA-598-C color coding standards,

Fiber Optic Color Code: The Ultimate TIA-598-C Guide (2026)

Master the TIA-598-C fiber optic color code standard. Read our complete guide and use our free interactive calculator to easily

Fiber Optic Cable Color Codes

Colored outer jackets and/or print may be used on Premises Distribution Cable, Premises Interconnect Cable or Interconnect Cord,

Contact Us

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