

# Coaxial optical cable specifications and dimensions



## Overview

Coaxial cable sizes describe the cable's outer diameter, impedance, and conductor geometry, which together determine power handling, signal loss, and flexibility. Common sizes range from micro-coax (OD < 2 mm) for compact electronics to large-diameter cables like RG-213 for. Properties for popular coaxial cables are listed below including Type, Z0, Dielectric, Capacitance, dB. The following cable guide lists standard flexible, Low Loss, semi-rigid and conformable, micro-coaxial and corrugated cable as well as associated product links. Their design prioritizes minimal signal loss and reflection between the transmitter and receiver, featuring unbalanced connections, effective shielding against. Coaxial cables may look simple — a round wire with a metal tip — yet behind their design lies a world of precision engineering. Every fraction of a millimeter in their structure affects how efficiently signals travel. Whether used in a TV system, radar antenna, or high-speed 5G base station, cable.



## Article Content

Jul 21, 2025

RF Coaxial Cable Specifications

A Coaxial cable is a type of cable that is used to make transfer RF/Microwave signals.

Feb 01, 2026

Coaxial Cable Guide

A comprehensive guide to the most commonly used coaxial cables, including electrical performance, mechanical characteristics, and compatible connector solutions. Perfect for designing and specifying

Jul 04, 2025

RG59 vs RG6: Key Differences And Which Coaxial

Confused about whether to use RG59 or RG6 coax cable? This guide compares their construction, shielding, bandwidth and ideal applications to help

Sep 20, 2025

Coaxial Cable Specifications

Cable Temp. Rating: 6.4 Ohms/1000 FT. Max. 10.5 Ohms/1000 FT. Max.

Jan 13, 2026

Premier Cables

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Apr 01, 2026

Coax cable specification\_chart | PDF

This document is a cable specification chart that provides technical specifications for various coaxial cables including their construction details, impedance ratings,

Aug 16, 2025

Microsoft Word

Product Specification Sheet Catalog Number: RG11/AU-HF ... Form Revision Date: 04/15/2004

May 14, 2026

## Coaxial Cable Sizes Explained : Complete Technical Guide

Understand coaxial cable sizes, RG types, impedance, and diameter. Learn how to choose the right size for signal performance and system design.

Nov 18, 2025

## Fiber optic cable types and selection guide

When installing optical fiber lines or changing equipment connections, there are more and more situations where you have to

Oct 19, 2025

## Coaxial Cable Specifications

Coaxial Cable Specifications: Velocity of Propagation (Vp): Transmission speed of electrical energy in a specific length of cable compared to

Jul 10, 2025

## Coaxial Cable Guide: Types, Applications, and Buying Tips

Our complete, easy-to-understand guide to all things coax cable. From RG-6 to LMR®600 spec, to variation in ohmage and manufacturer, we

Dec 10, 2025

## Coaxial Cable Selection Guide

The specification enlists all types of coaxial cable being designed and manufactured today. It designates the cable with MIL-C-17 numbers for a cable, for example,

Apr 20, 2026

## Coaxial Cable Data

Coaxial cable data for 35 commonly used RG/U (Mil-C-17) cables including dielectric mtl, center conductor/shield makeup, dimensions, impedance, etc.

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## CommScope | now meets next

CommScope provides a quick reference guide for coaxial cables, offering solutions for various connectivity needs in the telecommunications industry.

Mar 17, 2026

## RF Coaxial Cable Specifications & Standards Guide

Explore detailed RF coaxial cable specifications, including dimensions, RG standards, materials, and performance characteristics. Compare cable types and

Sep 28, 2025

Standards, Design & Installation of coaxial cables [Kompatibilitätsmodus]

Basic characteristics of coaxial cables The characteristic impedance  $Z$  of a RF-coaxial cable is given by the ratio of inner conductor diameter  $d$  to outer conductor diameter  $D$  ( $D/d$ ) and the dielectric

Sep 21, 2025

Coaxial Cable Specifications

Coaxial Cable Specifications Center Conductor: 18 AWG Solid Bare Copper Nominal Diameter: 0.0403" Shield: Foil: Aluminum/Poly Tape Braid: 34 AWG Aluminum

Mar 09, 2026

ANE016 Coaxial cables and cable assemblies

This application note is based on Würth Elektronik standard cable types and helps to understand which points to consider when selecting a cable for custom tailored cable assemblies.

Aug 24, 2025

RG58 Coaxial Cable

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the

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DX Engineering Coaxial Cable Reference Chart

DX Engineering Coaxial Cable Reference Chart ... Coax Chart - Rev 7 28 August 2020 (Images not to scale - check cable size information listed - Specifications subject to change without notice)

Feb 11, 2026

Coaxial cable

Coaxial cable, or coax (pronounced / 'koʊ.æks /), is a type of electrical cable consisting of an inner conductor surrounded by a concentric conducting shield,

Sep 19, 2025

Detailed Technical Specifications Coaxial Cables

TABLE 3 .1 TECHNICAL SPECIFICATIONS FOR COAXIAL CABLES CONDUCTOR ELECTRICAL CHARACTERISTICS Attenuation [68°F (20°C)] Ty pe Mat erial Construc tion (No / mm) Nomi nal

Mar 22, 2026

Detailed Technical Specifications Coaxial Cables

Detailed Technical Specifications Coaxial Cables. For more details, visit us at . Detailed Technical Specifications -Coaxial Cables . TABLE 3 TECHNICAL SPECIFICATIONS FOR COAXIAL

Nov 26, 2025

Choosing the Right Coaxial Cable Assembly for Your Application

Abstract The coaxial cable is among the most commonly used transmission lines with optimal broadband performance for applications well into the W-band. The use cases for coaxial cable

Mar 14, 2026

Coaxial Cable Specifications Chart

This document provides specifications for various types of cables, including their outer diameter, impedance, jacket material, conductor type, center conductor

Oct 04, 2025

Coaxial Cable Guide

The following cable guide lists standard flexible, Low Loss, semi-rigid and conformable, micro-coaxial and corrugated cable as well as associated product links.

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.piano-lessons.co.za>

Email: [info@piano-lessons.co.za](mailto:info@piano-lessons.co.za)

Phone: +31 6 37258914

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

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