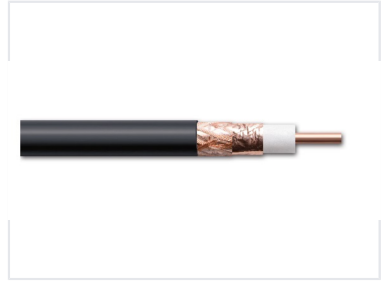


# RG8 Coaxial Cable for RF Signal Transmission

RG8 coaxial cable is a high-frequency transmission line designed for carrying radio frequency (RF) signals. Its construction includes a central copper conductor, dielectric insulator, braided copper shield, and outer jacket, providing excellent signal integrity and shielding against electromagnetic interference (EMI).



## Overview

### High-Performance RF Transmission

The RG8 coaxial cable is a professional-grade transmission line engineered for robust radio frequency (RF) signal management in wireless and data communication infrastructures. It features a sophisticated multi-layer construction, including an inner conductor and high-quality shielding, to ensure superior signal integrity and protection against electromagnetic interference. Designed for versatility, this cable supports various jacket and conductor material options to meet specific environmental and regulatory requirements.

## Technical Specifications

### Shielding Layers

Layer	Available Materials
Shield 1	Aluminum foil or Copper foil
Shield 2	BC, TC, or AA wire braiding

Impedance	75 $\Omega$
Inner Conductor Materials	BC, CCA
Insulation	Foamed Polyethylene

## Compliance and Environment

### Jacket Materials

- PVC
- LSZH
- PE

### Flame Retardant Ratings

CMX • CM • CMR • CATVX • CATV • CATVR