

Introduction

From Military to Civilian Use

Micro-coaxial cables are used in various consumer devices, military equipment and ultra-sound scanning equipment. There are different shielding configurations for different applications.

Although fiber optics, T1/E1, satellite and other high-tech methods are becoming the new standards, radio and especially television networks are connected with long distance coaxial cables. The history of these cables starts with the Second World War when the standard types were used by the military – when positive, reliable and trouble-free operation were essential to get users out of trouble.

Today – for different other purposes, Belden’s cables offer performance second to none.

Key Applications

- Computer networks
- Radio
- Television
- Consumer devices
- Military equipment

Special Features

- **Short Coaxial Cable**
Connectivity for home video equipment, or in ham radio setups. Also commonly used for implementing computer networks; in particular ethernet.
- **Long Distance Coaxial Cable**
Connect radio networks and television networks, though this has largely been superseded by other more high-tech methods (fiber optics, T1/E1, satellite). It is still common for carrying cable television signals.
- **Micro-Coaxial Cable**
Used in a range of consumer devices, military equipment, and also in ultra-sound scanning equipment.

Availability

Most of our MIL-C-17 coax cables are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a MIL-C-17 coax cable in this catalog section that meets your technical requirements contact technical support at +31-77-3875-414 or techsupport.venlo@belden.com.

RG Designators

Standard types of coaxial cable were specified for military uses, in the form “RG-#” or “RG-#/U” (RG from radio guide, /U indicates multiple use). These references go back to World War II and were published in MIL-HDBK-216 (1962). These designations are now obsolete.

Currently the military standard is MIL-SPEC MIL-C-17. Numbers, such as M17/75-RG214, are given for military cables and manufacturer’s catalog numbers for civilian applications. However, the RG-series designations were so common for generations that they are still used. Please be aware that since the handbook is withdrawn there is no standard to guarantee the electrical and physical characteristics of a cable described as “RG-# type”.

The RG designators are mostly used to identify compatible connectors that fit the inner conductor, dielectric, and jacket dimensions of the old RG-series cables.