

Introduction



• Easy Installation

- Easy installation features include the following:
- Brightly colored jackets for easy identification
 - Print legends that facilitate location identification (Room 12345, Zone ABCDE)
 - Cable jackets with ascending/descending sequential markings at 0.6 m intervals
 - Extremely flexible, easy-to-pull constructions (highly stranded conductors; PVC)

Brilliance® VideoTwist® UTP Cables

To meet the new video/data UTP requirements, Belden has designed a new series of cables. High resolution videos require high performance cables that have low signal skew and low return loss. Typically, these systems use bundled coax for the cable interconnection. Increasingly, however, system designers are turning to unshielded twisted pair (UTP) transmission equipment to distribute component RGB video because UTP is cheaper than coax. UTP cables also mean that the same cable can be used for premise LAN wiring – eliminating the need for two separate cables.

Brilliance VideoTwist® UTP cables offer the best low skew and return loss performance in the marketplace and are designed for quality video applications – plus they meet applicable TIA/EIA standards for data transmissions. The cables dramatically reduce installation costs but retain the appearance, feel and familiarity of a standard category twisted pair cable.

| | Nominal Skew (ns/100 m) | Video Transmisson Distance* | |
|-------------------------|----------------------------|-----------------------------|-----------|
| | | ft. | m |
| Typical UTP Data Cables | 25 - 45 | 370 - 520 | 112 - 158 |
| RGB Coax Cables | 15.0 | 850 | 259 |
| VideoTwist® 7987 | 2.2 | 5900 | 1798 |
| VideoTwist® 7988 | 9.0 | 1475 | 450 |
| VideoTwist® 7989 | 10.0 | 1300 | 396 |

* Based on Broadcast standard of 40nd maximum total skew and the use of amplification equipment.

Security

Belden's answer to this challenge is a broad line of security cables which can be found in the New Generation section 20 in this catalog.

Everything you Need for the Intelligent Home

These structured cabling products for the intelligent home are all brought to you by Belden – the most innovative and trusted manufacturer in the cable industry. Belden offers the most comprehensive, time-tested and proven products for cabling the home.

Availability

Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a Residential cable in this catalog section that meets your technical requirements, see our U.S. Master Catalog or contact technical support at +31-77-3875-414 or techsupport.venlo@belden.com.

Corresponding Literature

Product Bulletins

- NP185: Multimedia control cables (1502R)
- NP212: Brilliance® VideoTwist® UTP low skew cables
- NP229: BNC and RNC connectors
- NP232: Brilliance® low cap OFHC speaker cables