Communication & Signal Cable
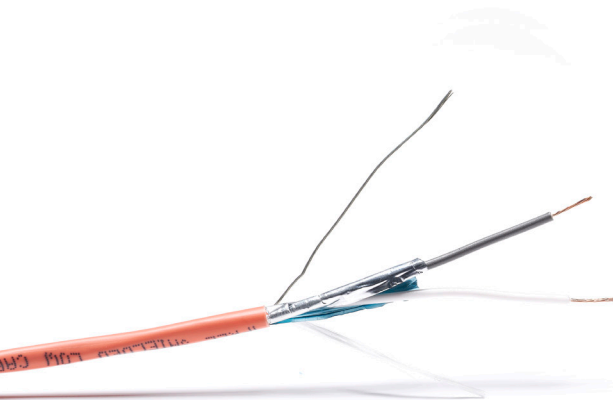
-GENESIS-

To perform properly, building automation systems require both Communication and Signal Cable – and these products are not interchangeable. Understanding the role each type of cable plays in a building automation system will allow you to select the appropriate products for your next installation and optimize system performance.
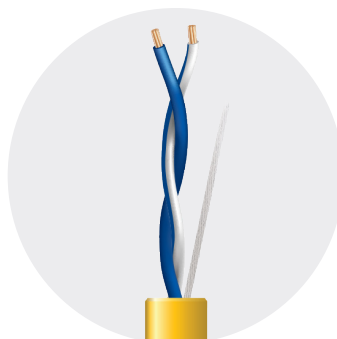
Communication Cable

Communication Cable transmits data at high speeds from the brains of a building automation system to localized controllers – sometimes over thousands of feet. When used correctly, it ensures reliable system performance without distortion or interruption, supports system functionality, increases building efficiency and maximizes energy cost savings. But when cable not specifically designed for high-speed data transfer is used in place of high-performance Communication Cable, end users will experience system malfunctions and poor reliability – and no installer wants to get a phone call from an angry customer whose system isn't working properly.
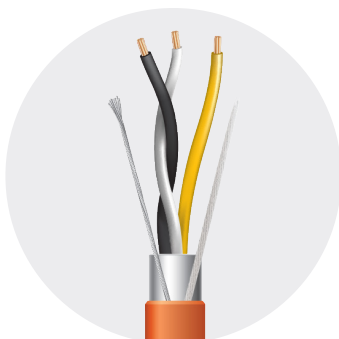
BACnet®
Communication MS/TP, EIA-485

LonWorks®
Level 4 Communication

Trane®
Spec Comm 3/4 Communication

Signal Cable

Also known as Input/Output or I/O Cable, Signal Cable transmits signals between controllers and building automation system devices over short distances. When used correctly, Signal Cable ensures sensors, actuators and other devices function properly.

Pro Tip: Signal Cable is device-dependent, meaning the device dictates the amount of power the cable must deliver.

When it comes to Signal Cable, gauge size is an important consideration. The longer the cable run, the greater the voltage drop, so larger gauge sizes should be used for longer cable runs. If undersized or poor-quality Signal Cable is installed, system performance will suffer, and end users will not get the desired ROI.
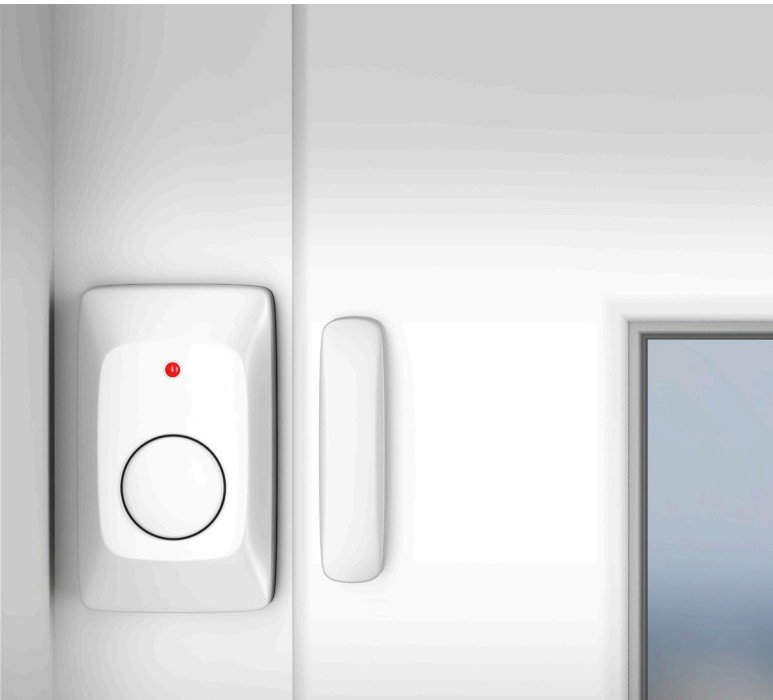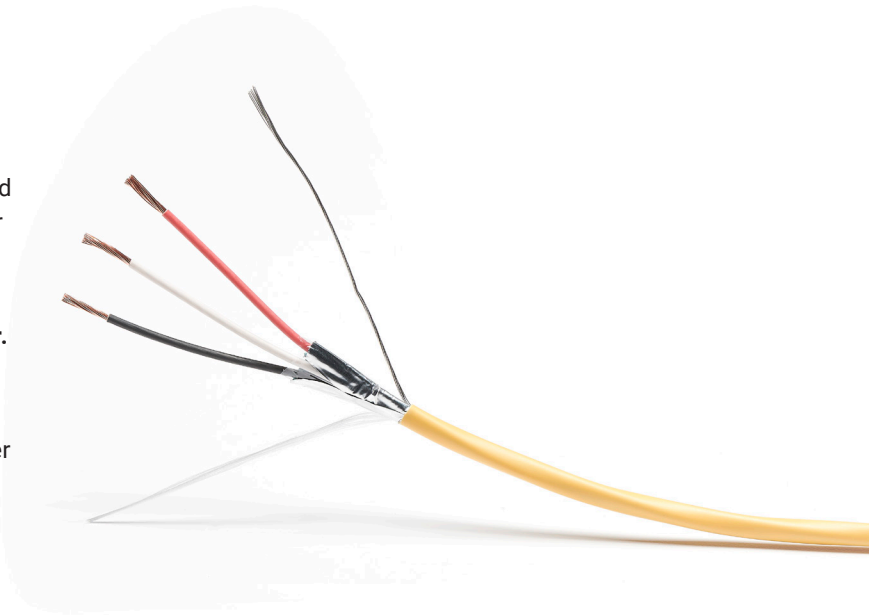
Building automation cable is not created equal. When it comes to building automation system installations, it's critical to purchase the correct cable from a trusted manufacturer and only use products that you can count on – every time.

To avoid another truck roll, rip out or re-installation, get it right the first time. Use Genesis Communication and Signal Cable.

If you ever need assistance or have questions, you can call a Genesis customer service rep at **800-222-0060**. They are available to offer support all day, every business day.

For more information about Genesis Cable products and solutions, follow Genesis on LinkedIn at *linkedin.com/company/genesis-cable.*