

Belden® Blue Hose®

Meets many installation requirements

Belden Blue Hose cable is a robust physical media for the transmission of PLC/DCS signals across the factory floor. The needs of real-time, high-throughput industrial applications such as automotive transfer lines, paint shops, assembly lines, sectional conveyors, water/wastewater processing, food processing and pharmaceutical production can be routinely met by the control network and the use of Blue Hose cable.



Typically utilized in the Control Layer, handling a wide range of automation and control data on the same cable.

Examples:

- PLC Processor Interlocking
- Peer-to-Peer Messaging
- Remote Programming
- Troubleshooting
- I/O Updates

A wide variety of constructions are available, allowing for installation flexibility.

Blue Hose Standard Cable

One pair, 20 AWG stranded, tinned copper, PE insulation, 55% tinned copper braid. Designed for light industrial environments

600V Blue Hose Cable – UL Type TC

One pair, 18 AWG stranded, tinned copper, flame-retardant polyolefin insulation. Designed for cable tray use in industrial applications; can occupy same tray or conduit as 600V power cables.

High-Flexibility Blue Hose Cable

One pair, 20 AWG stranded, tinned copper, PE insulation, 85% tinned copper braid. Highly flexible version of the standard Blue Hose cable. Heavier braid coverage for better noise immunity.

Gel-Filled Direct Burial Cable

One pair, 20 AWG stranded, tinned copper, PE insulation. Gel-filled, featuring a low-density PE jacket. Suited for high-moisture environments and burial applications.

Plenum Cable

One pair, 20 AWG, stranded, tinned copper, FEP insulation, 76% tinned copper braid. A plenum, 200°C-grade cable suitable for installations where high and low temperatures are encountered and in corrosive environments.

Aluminum Interlocked Armor Blue Hose Cable

One pair, 20 AWG stranded, tinned copper, PE insulation, 55% tinned copper braid. An ideal alternative to conduit installation. Provides both mechanical protection and electrical shielding. Up to 25 Data Highway cables can be bundled under one sheath.

Steel Interlocked Armor Blue Hose Cable

One pair, 20 AWG stranded, tinned copper, PE insulation, 55% tinned copper braid. Provides mechanical protection and electrical shielding. Prevents against low-frequency 60 Hz magnetic noise from power lines. Up to 25 cables can be bundled under one sheath.

Continuously Corrugated Aluminum Armor Blue Hose Cable

One pair, 20 AWG stranded, tinned copper, PE insulation, 55% tinned copper braid. Provides mechanical protection, electrical shielding and is impervious to moisture.