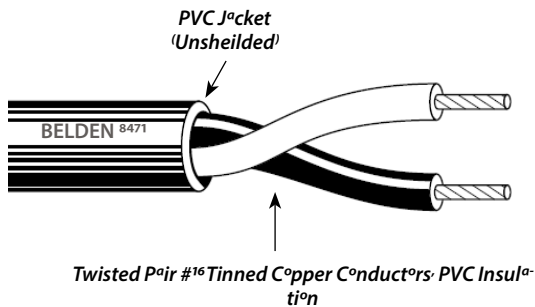


Riser Rated Belden 8471 Cable

LX SERIES NETWORKED LIGHTING CONTROLS



LX Networked
Lighting
Controls



PROJECT INFORMATION

Project Name _____

Catalog No. _____

Date _____

Hubbell Controls' LX network cable is used to interconnect LX Panels, LX Devices and LX Accessories for a complete communications network. All devices that communicate on the LX Network are connected with the same type of twisted pair cable. Both power and data are carried over the same two wires. The LX System is wired as a topology-free, polarity-insensitive network. Hubbell Controls supplied LX Network Cables assure proper network communications and should be specified and installed on all LX System projects.

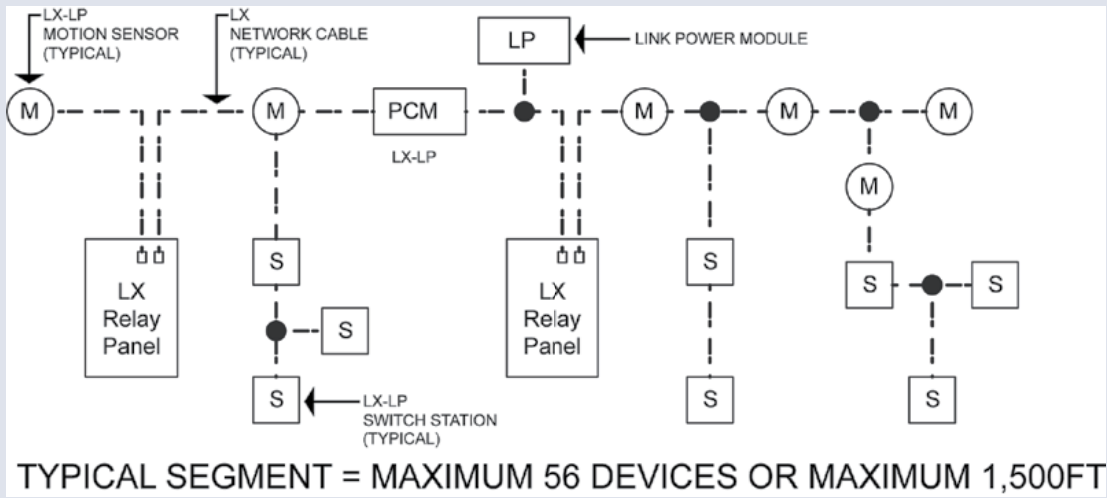
PRODUCT FEATURES

- Interconnects LX Lighting Control Panels and LX network devices
- Cable carries both power and data in a single twisted pair
- Belden #8471 - twisted pair #16 tinned copper
- Single cable type connects to all types of LX network devices
- Echelon Guideline Compliant for LON networks
- Available in 100 ft and 500 ft reels
- Riser Rated
- Connects to terminal blocks or with twist on connectors
- UL and cUL Listed
- One-year limited warranty

LX SYSTEM NETWORK CABLE REQUIREMENTS

Hubbell Controls' LX Lighting Control System requires the use of Belden #8471 cable for Riser Rated applications OR Windy City Wire #104500 for Plenum Rated applications. These are the ONLY cables that can be used for network wiring with the LX System.

The use of substitute cables based on similar physical characteristics is not allowed and will VOID any warranty for the LX system or any LX component connected to the substitute cable.



General Specifications

Description	1 pair - 16 AWG stranded tinned copper conductors, PVC Insulation, unshielded twisted pair (UTP), PVC jacket
Shielding	Unshielded
Overall Nominal Diameter	0.274 inches
Plenum Rating	Not Plenum Rated
Operating Temperature Range	-20°C to +80°C (Indoor use only)
Maximum Pulling Tension	61 lbs
Minimum Bend Radius	5.1 inches
Color	Pair Color - Black/White, Outer Jacket - Gray
Certifications	NEC (UL) CMG, CEC/C (UL) CMG,
Flame Test	UL Flame Test – UL1685 FT4 Loading, C (UL) Flame Test FT4
Warranty	One-year limited

Ordering Information

MODEL

- LX8471CBL100*** LX Cable Belden 8471 Riser Rated 100 ft Reel
- LX8471CBL500*** LX Cable Belden 8471 Riser Rated 500 ft Reel

*All sales are final, no returns are allowed.

INSTALLATION NOTES

- DO NOT exceed 1500 feet of cable OR connect more than 56 devices per network segment.
- Each network segment using LP style devices requires an LXLP2 Link Power Module for device power. Each additional segment requires an additional LXLP2 Link Power Module and an LXRRM Repeater for data transmission between segments.
- Each network segment existing of panels only or that use FT style devices only require termination with LXTERMINATOR instead of LXLP2 Link Power Module.
- Run cable and connect network with the shortest distances possible. The most efficient network is wired similar to branch circuit outlets.
- When using twist-on wire connectors with network cable use no more than three wires per connector.
- The use of T-taps to minimize cable length is encouraged. Daisy chain topology is allowed, but most often increases overall cable length.
- DO NOT homerun all devices individually, or leave spare cable at ceiling mounted devices. If devices need to be relocated, cables can be extended with twist-on wire connectors.
- DO NOT mix plenum and NON-plenum cables on the same segment.
- Keep 12" minimum from line voltage, do not run in the same raceway with line voltage.



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