

EcoSystem™ Cable

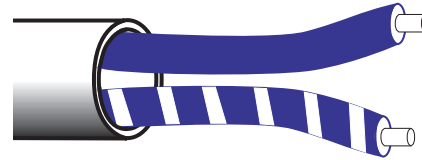
Custom designed cable for EcoSystem improves system performance and decreases installation time. Cable is available for sensor connections and EcoSystem bus connections. Both types are available in plenum versions.



EcoSystem Sensor Cable

Features

- Internal conductors match EcoSystem device terminal and lead color scheme.
- Each conductor sized for direct connection to EcoSystem ballast and module terminals.
- Two types of Class 2 Sensor Cable:
 - Non-plenum sensor cable (CL2R)
 - Plenum sensor cable (CL2P)
- Two types of EcoSystem Bus Cable:
 - Non-plenum bus cable (CL2R)
 - Plenum bus cable (CL2P)
- All plenum cable is rated to a maximum of 300V
- Non-plenum cable is dual rated to a maximum of 300V or 600V dependant upon application
- Each offering is spooled to 1000' (305 m) +/- 10%



EcoSystem Bus Cable

Job Name:

Model Numbers:

Job Number:

EcoSystem Bus Cable Specifications

C-PCBL-216-CL-1

General Description

Two conductor EcoSystem Bus Cable for Plenum Spaces

16AWG solid bare copper, FEP insulated conductors

2 single conductors cabled

Clear .02 thick FEP jacket - sheathed

All external markings use white paint

Electrical

Max operating voltage	300V RMS	CL3P
Max continuous current per conductor	13A	at 25C
Nominal conductor DC resistance	4 Ohm/1000ft	at 20C

Physical

Temp Rating	-70 to 200C
Nominal Diameter	.172 inch
Max Pull Tension	62.5 lbs
Min Bend Radius	1 3/4 inch
Insulation Material	FEP
Jacket Material	FEP

Listings

UL Type CL3P

NFPA 262

ROHS

Colors

Jacket - Clear (CL)

<u>Conductor Color</u>	<u>Ballast Terminal</u>
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Purple (PL)	E1
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Purple + white stripe (PL/WH)	E2
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Jacket Markings

C-PCBL-216-CL LUTRON 2/16 AWG (UL) CL3P 200C

Job Name:	Model Numbers:
Job Number:	

EcoSystem Bus Cable Specifications (continued)

C-CBL-216-GR-1

General Description

16AWG solid bare copper, PVC insulated conductors
 2 single conductors cabled
 Gray .03 thick PVC jacket - sheathed, UV stabilized
 All external markings use black paint

Electrical

Max operating voltage	300V RMS	CL3R
	600V RMS	AWM Style 20811
Max continuous current per conductor	13A	at 25C
Nominal conductor DC resistance	4 Ohm/1000ft	at 20C

Physical

Temp Rating	-20 to 105C
Nominal Diameter	.300 inch
Max Pull Tension	62.5 lbs
Min Bend Radius	1 3/4 inch
Insulation Material	PVC
Jacket Material	PVC

Listings

UL Type CL3R
 AWM Style 20811
 UL 1666 Vertical Shaft
 ROHS

Colors

Jacket - Gray (GR)

<u>Conductor Color</u>	<u>Ballast Terminal</u>
Purple (PL)	E1
Purple + white stripe (PL/WH)	E2

Jacket Markings

C-CBL-216-GR LUTRON 2/16 AWG (UL) CL3R 90C AWM20811 105C 600V

Job Name:	Model Numbers:
Job Number:	

EcoSystem Bus Cable Specifications (continued)

C-PCBL-522S-CL-1

General Description

22AWG solid bare copper, FEP insulated conductors

5 single conductors cabled

Overall aluminum-polymer foil shield, plus 24AWG (7/32) copper drain wire

Clear .02 thick FEP jacket - sheathed

All external markings use white paint

Electrical

Max operating voltage	300V RMS	CL3P
Max continuous current per conductor	4A	at 25C
Nominal conductor DC resistance	16 Ohm/1000ft	at 20C

Physical

Temp Rating	-70 to 200C
Nominal Diameter	.136 inch
Max Pull Tension	39.0 lbs
Min Bend Radius	1 3/8 inch
Insulation Material	FEP
Jacket Material	FEP

Listings

UL Type CL3P

NFPA 262

ROHS

Colors

Jacket - Clear (CL)

<u>Conductor Color</u>	<u>Ballast Terminal</u>
Red	+20V==
Black	Common
White	IR
Blue	Occupancy
Yellow	Daylight

Jacket Markings

C-PCBL-522S-CL LUTRON 5/22 AWG SHIELDED (UL) CL3P 200C

Job Name:	Model Numbers:
Job Number:	

EcoSystem Bus Cable Specifications (continued)

C-CBL-522S-WH-1

General Description

22AWG solid bare copper, PVC insulated conductors

5 single conductors cabled

Overall aluminum-polymer foil shield, plus 24AWG (7/32) copper drain wire

White .047 thick PVC jacket - sheathed, UV Stabilized

All external markings use indented print

Electrical

Max operating voltage	300V RMS	CL3R
	600V RMS	AWM 20811
Max continuous current per conductor	4A	at 25C
Nominal conductor DC resistance	16 Ohm/1000ft	at 20C

Physical

Temp Rating	-20 to 105C
Nominal Diameter	.330 inch
Max Pull Tension	39.0 lbs
Min Bend Radius	1 5/8 inch
Insulation Material	PVC
Jacket Material	PVC

Listings

UL Type CL3R

AWM 20811

UL1666 Vertical Shaft

NFPA 262

ROHS

Colors

Jacket - White (WH)

<u>Conductor Color</u>	<u>Ballast Terminal</u>
Red	+20V==
Black	Common
White	IR
Blue	Occupancy
Yellow	Daylight

Jacket Markings

C-CBL-522S-WH LUTRON 5/22 AWG SHIELDED (UL) CL3R 90C OR AWM 20811 105C 600V

Job Name:	Model Numbers:
Job Number:	