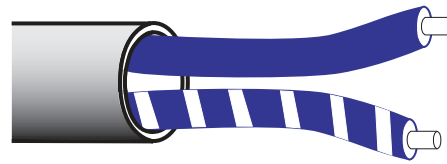


## EcoSystem Cable

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

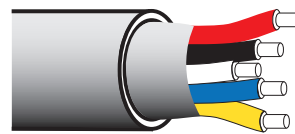
### Features

- Internal conductors match *EcoSystem* device terminal and lead color scheme.
- Each conductor sized for direct connection to *EcoSystem* ballast and module terminals.
- Three types of *EcoSystem* Bus Cable:
  - Non-plenum bus cable (CL3R), for Class 2 applications
  - Non-plenum bus cable (TC), for Class 1 applications
  - Plenum bus cable (CL3P) for plenum Class 2 applications
- Two types of *EcoSystem* Class 2 Sensor Cable:
  - Non-plenum sensor cable (CL3)
  - Plenum sensor cable (CL3P)
- All plenum cable is rated to a maximum of 300 V
- Non-plenum cable is rated to a maximum of 300 V or 600 V dependant upon application
- Each offering is spooled to 1000 ft (305 m) and based upon industry standards of plus 10%, minus 10% on all shipments



### EcoSystem Bus Cable

C-CBL-216-GR-1 (non-plenum, Class 2)  
 C-CBL-216-WH-C1 (non-plenum, Class 1)  
 C-PCBL-216-CL-1 (plenum, Class 2)



### EcoSystem Class 2 Sensor Cable

C-CBL-522S-WH-1 (non plenum)  
 C-PCBL-522S-CL-1 (plenum)

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  
 16 AWG (1.5 mm<sup>2</sup>) solid bare copper, FEP insulated conductors  
 2 single conductors cabled  
 Clear 0.017 in (0.43 mm) thick FEP jacket — sheathed  
 All external markings use white ink

#### Electrical

Max operating voltage	300 V RMS	CL3P
Max continuous current per conductor	10 A	at 77 °F (25 °C)
Nominal conductor DC resistance	4 Ohm/1000 ft (304.8 m)	at 68 °F (20 °C)

#### Physical

Temp Rating	-94 °F to 392 °F (-70 °C to 200 °C)
Nominal Diameter	0.173 in (4.39 mm)
Max Pull Tension	45 lb (20.41 kg)
Min Bend Radius	1.75 in (44.5 mm)
Insulation Material	FEP
Jacket Material	FEP

#### Listings

UL listed as Type CL3P or CMP c(UL)us, FT-6  
 NFPA 262  
 UL444 and UL13  
 CSA-C22.2 No. 214  
 RoHS Compliant

#### Colors

Jacket — Clear (CL)

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

#### Jacket Markings

LUTRON C-PCBL-216-CL-1 2/16 AWG (UL File #) (UL) CL3P  
 or CMP c(UL)us 200 °C FT-6 RoHS COMPLIANT

Job Name:	Model Numbers:
Job Number:	

## EcoSystem Bus Cable Specifications (continued)

### C-CBL-216-GR-1

#### General Description

For running *EcoSystem* link with other Class 2 wires in non-plenum applications

16 AWG (1.5 mm<sup>2</sup>) solid bare copper, PVC insulated conductors

2 single conductors cabled

Gray 0.03 in (0.76 mm) thick PVC jacket — sheathed, UV stabilized

All external markings use black ink

#### Electrical

Max operating voltage	300 V RMS	CL3R/CMG
	600 V RMS	AWM Style 20811
Max continuous current per conductor	13 A	at 77 °F (25 °C)
Nominal conductor DC resistance	4 Ohm/1000 ft (304.8 m)	at 68 °F (20 °C)

#### Physical

Temp Rating	-4 °F to 221 °F (-20 °C to 105 °C)
Nominal Diameter	0.300 in (7.62 mm)
Max Pull Tension	62.5 lb (28.35 kg)
Min Bend Radius	1.75 in (44.5 mm)
Insulation Material	PVC
Jacket Material	PVC

#### Listings

UL Type CL3R

CMG (C)UL

FT-4 Flame Rating

AWM Style 20811

UL 1666 Vertical Shaft

RoHS Compliant

#### Colors

Jacket — Gray (GR)

#### Conductor Color

Purple (PL)

Purple + white stripe (PL/WH)

#### Ballast Terminal

E1

E2

#### Jacket Markings

C-CBL-216-GR-1 LUTRON 2/16 AWG CL3R 90 °C (UL) E171202

or CMG c(UL)

or AWM STYLE 20811 105 °C 600 V DATE CODE FT-4 RoHS COMPLIANT

<b>Job Name:</b>	<b>Model Numbers:</b>
<b>Job Number:</b>	

## EcoSystem Bus Cable Specifications (continued)

### C-CBL-216-WH-C1

#### General Description

For running *EcoSystem* link with other line-voltage wires (Class 1) in non-plenum applications

16 AWG (1.5 mm<sup>2</sup>) solid bare copper, PVC/Nylon insulated conductors

2 single conductors cabled

White 0.045 in (1.1 mm) thick PVC jacket — sheathed, UV stabilized

All external markings use black ink

#### Electrical

Max operating voltage	600 V RMS	TC
	600 V RMS	UL STANDARD 62, TYPE TFN
Max continuous current per conductor	20 A	at 77 °F (25 °C)
Nominal conductor DC resistance	4 Ohm/1000 ft (304.8 m)	at 68 °F (20 °C)

#### Physical

Temp Rating	-4 °F to 194 °F (-20 °C to 90 °C)
Nominal Diameter	0.299 in (7.59 mm)
Max Pull Tension	41 lb (18.6 kg)
Min Bend Radius	1.75 in (44.5 mm)
Insulation Material	PVC and Nylon
Jacket Material	PVC

#### Listings

UL Type TC Per UL Standard 1277 for tray cables

CSA Listed CIC C22.2 No. 239-09

UL Approved for Sunlight Resistance

Individual Conductors are rated TFN

Cable meets IEEE 383 & UL 1581 70,000 BTU/HR Flame Test Requirements

Cable meets ICEA S-95-658, where applicable

FT-4 Flame Rating

RoHS Compliant

#### Colors

Jacket — White (WH)

<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-CBL-216-WH-C1 LUTRON (UL File #) 2/16 AWG 2C TFN (UL) TYPE C 600 V 90 °C DRY PVC JACK-ET SUN RES

or CSA LL226471 CIC (TC) FT-4 RoHS COMPLIANT

Job Name:	Model Numbers:
Job Number:	

## EcoSystem Class 2 Sensor Cable Specifications

### C-PCBL-522S-CL-1

#### General Description

5 conductor *EcoSystem* sensor cable for plenum spaces

22 AWG (0.34 mm<sup>2</sup>) solid bare copper, FEP insulated conductors

Overall aluminum-polymer foil shield, plus 24 AWG (0.25 mm<sup>2</sup>) copper drain wire

Clear 0.012 in (0.3 mm) thick FEP jacket — sheathed

All external markings use white ink

#### Electrical

Max operating voltage	300V RMS	CL3P
Max continuous current per conductor	4 A	at 77 °F (25 °C)
Nominal conductor DC resistance	16.5 Ohm/1000 ft (304.8 m)	at 68 °F (20 °C)

#### Physical

Temp Rating	-94 °F to 392 °F (-70 °C to 200 °C)
Nominal Diameter	0.140 in (3.56 mm)
Max Pull Tension	36.0 lb (16.33 kg)
Min Bend Radius	1.50 in (38.1 mm)
Insulation Material	FEP
Jacket Material	FEP

#### Listings

UL listed as Type CL3P or CMP c(UL)us, FT-6

NFPA 262

UL444 and UL13

CSA-C22.2 No. 214

RoHS Compliant

#### Colors

Jacket — Clear (CL)

#### Conductor Color

Red	+20 V---
Black	Common
White	IR
Blue	Occupancy
Yellow	Daylight

#### Ballast Terminal

#### Jacket Markings

LUTRON C-PCBL-522S-CL-1 (UL File #) 22 AWG 5C SHIELDED (UL) CL3P  
or CMP c(UL)us FT-6 200 °C RoHS COMPLIANT

Job Name:	Model Numbers:
Job Number:	

## EcoSystem Class 2 Sensor Cable Specifications (continued)

### C-CBL-522S-WH-1

#### General Description

5 conductor *EcoSystem* sensor cable for non-plenum applications

22 AWG (0.34 mm<sup>2</sup>) solid bare copper, PVC insulated conductors

Overall aluminum-polymer foil shield, plus 24 AWG (0.25 mm<sup>2</sup>) copper drain wire

White 0.047 in (1.2 mm) thick PVC jacket — sheathed, UV Stabilized

All external markings use indented print

#### Electrical

Max operating voltage	300 V RMS	CL3
	600 V RMS	AWM 20811
Max continuous current per conductor	4 A	at 77 °F (25 °C)
Nominal conductor DC resistance	16.5 Ohm/1000 ft (304.8 m)	at 68 °F (20 °C)

#### Physical

Temp Rating	-4 °F to 221 °F (-20 °C to 105 °C)
Nominal Diameter	0.297 in (7.54 mm)
Max Pull Tension	36.0 lb (16.33 kg)
Min Bend Radius	3 in (76.2 mm)
Insulation Material	PVC
Jacket Material	PVC

#### Listings

UL Type CL3 and CM

UL recognized AWM Style 20811

UL444, UL13 and UL758

CSA-C22.2 No. 214

ROHS Compliant

#### Colors

Jacket - White (WH)

#### Conductor Color

Red  
Black  
White  
Blue  
Yellow

#### Ballast Terminal

+20 V==  
Common  
IR  
Occupancy  
Daylight

#### Jacket Markings

LUTRON C-CBL-522S-WH-1 PELV/SELV (UL File #) 22 AWG 5C SHIELDED (UL) CL3  
or CM c(UL)us 75 °C OR RU AWM 20811 105 °C 600V RoHS COMPLIANT

<b>Job Name:</b>	<b>Model Numbers:</b>
<b>Job Number:</b>	