

Sensor Cables

SPECIFICATION

Enlighted cables provide hard-wired connections between the Enlighted sensors and Control Units (CU-4) or Profile 0 drivers for reliable performance.

OVERVIEW

To ensure control functionality, Enlighted sensors are hard-wired at each fixture while monitoring and data collection occurs via the wireless communications network. A variety of pre-terminated cable options are available for connectivity between different sensor types, sensors and Control Units, or sensors and LED drivers.

FEATURES

Approvals

- Plenum rated and UL recognized materials used for cable assemblies.

600V Sleeve

- UL recognized 600V sleeve ensures code compliance in any jurisdiction.

24 AWG Gauge

- 24 Gauge (AWG) 6 or 8 conductor twisted pair cables.

Multiple Lengths, Pre-terminated connectors

- Variety of lengths accommodate range of installation needs, whether the cable is fully inside the fixture or to a sensor located external to the fixture.
- Pre-cut lengths and pre-terminated connectors reduce installation time and ensure secure connections.

Profile 0 Driver Cable

The Profile 0 Driver cable is used to connect an 8-pin sensor to a 'Profile 0' (0-10V dim-to-off drivers with auxiliary DC output) driver.

Color Code	Profile 0 Driver Cables	
	5-wire	4-wire
Blue	Ground	Ground
Yellow	Sensor Supply (+)	Sensor Supply (+)
Violet	Dimming Channel 1	Dimming Channel 1
White	Dimming Channel 2	NA
Gray	Dimming Return	Dimming Return

Power Cable

The power cable (CBL-5E-PWR-30N) is used for the Micro sensor, SU-5E, fixtureless sensors not connected to any fixture driver or ballast when additional sensors are needed for sufficient coverage to support applications, such as indoor location and asset tracking.

WIRING AND INSTALLATION DIAGRAMS

Note: The RJ-45 coupler is needed when wiring a Control Unit to a 7-ft RJ45 cable.

Product Name	Product Code (Part Number)	Compatible Sensor	Connector 1	Sensor Connector
Sensor Cables				
12 in. Sensor Cable	CBL-5E-CU4-12N (12-02289-02)	Micro sensor, SU-5E	RJ45 to CU-4E/D	8-pin Molex
30 in. Sensor Cable	CBL-5E-CU4-30N (12-02290-02)	Micro sensor, SU-5E	RJ45 to CU-4E/D	8-pin Molex
7 ft. Sensor Cable	CBL-5E-CU4-7F (12-02285-02)	Micro sensor, SU-5E	RJ45 to CU-4E/D	8-pin Molex
15 ft. Sensor Cable*	CBL-5E-CU4-15F (12-03267-01)	Micro sensor, SU-5E	RJ45 to CU-4E/D	8-pin Molex
25 ft. Sensor Cable*	CBL-5E-CU4-25F (12-03268-01)	Micro sensor, SU-5E	RJ45 to CU-4E/D	8-pin Molex
50 ft. Sensor Cable*	CBL-5E-CU4-50F (12-03248-01)	Micro sensor, SU-5E	RJ45 to CU-4E/D	8-pin Molex
75 ft. Sensor Cable*	CBL-5E-CU4-75F (12-03269-01)	Micro sensor, SU-5E	RJ45 to CU-4E/D	8-pin Molex
100 ft. Sensor Cable*	CBL-5E-CU4-100F (12-03270-01)	Micro sensor, SU-5E	RJ45 to CU-4E/D	8-pin Molex
7 ft. RJ45 Cable	CBL-RJ45-RJ45-7F (12-02627-02)	High Bay, SU-5S-H. Ruggedized sensor, SU-5S-xRx and Coupler (CPL-RJ45).	RJ45 to CU-4E/D	RJ45 to sensor
Profile 0 Driver Cables				
7 ft. Profile 0 Driver Cable	CBL-RJ45-5W-7F (12-02681-01)	High Bay, SU-5S-H.	Pig-tail wires to IoT Ready Profile 0 driver	RJ-45 to sensor
22 in. Profile 0 Driver Cable	CBL-RJ45-4W-22N (12-02917-01)	Ruggedized sensor, SU-5S-xRx and Coupler (CPL-RJ45).		
30 in. Profile 0 Driver Cable	CBL-5E-5W-30N (12-02680-01)	Micro sensor, 8-pin		8-pin Molex
Power Cable				
Power Cable	CBL-5E-PWR-30N (12-02769-01)	Micro Sensor, SU-5E	Pig-tail wires to a power supply	8-pin Molex
Coupler				
Female RJ45 Coupler	CPL-RJ45 (27-00379-01)	Micro sensor and any sensor cable. High Bay with 7-ft RJ45 cable. Ruggedized sensor.	RJ-45 Female	RJ-45 Female

*Call for Availability, minimum quantity 500

Sensor Cables

SENSOR CABLES



12 in. Sensor Cable, 12-02289-02
CBL-5E-CU4-12N



30 in. Sensor Cable, 12-02290-02
CBL-5E-CU4-30N



7 ft. Sensor Cable, 12-2285-02
CBL-5E-CU4-7F

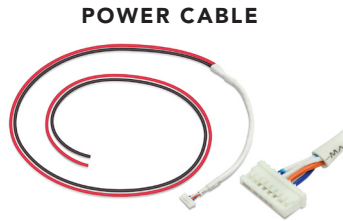


15/25/50/75/100 ft. Sensor Cable
CBL-5E-CU4-15F: 12-03267-01*
CBL-5E-CU4-25F: 12-03268-01*
CBL-5E-CU4-50F: 12-03248-01*
CBL-5E-CU4-75F: 12-03269-01*
CBL-5E-CU4-100F: 12-03270-01*

* Call for availability, minimum quantity 500



7 ft. RJ45 Cable, 12-02627-02
CBL-RJ45-RJ45-7F



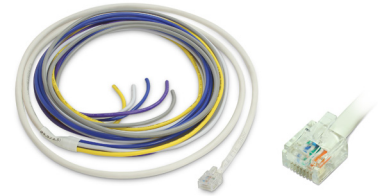
30 in. Power Cable, 12-02769-01
CBL-5E-PWR-30N

COUPLER

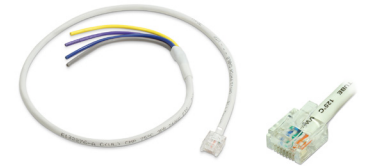


Female RJ45 Coupler, 27-00379-01
CPL-RJ45

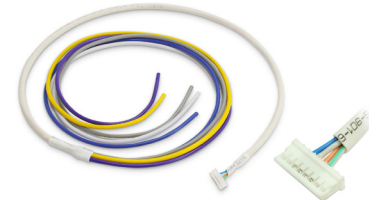
PROFILE 0 DRIVER CABLES



7 ft. Profile 0 Driver Cable, 12-0680-01
CBL-RJ45-5W-7F



22 in. Profile 0 Driver Cable, 12-02917-01
CBL-RJ45-4W-22N



30 in. Profile 0 Driver Cable, 12-02680-01
CBL-5E-5W-30N

ORDERING INFORMATION

CBL-5E-CU4-12N 12 in. Sensor Cable
CBL-5E-CU4-30N 30 in. Sensor Cable
CBL-5E-CU4-7F 7 ft. Sensor Cable
CBL-5E-CU4-15F 15 ft. Sensor Cable*
CBL-5E-CU4-25F 25 ft. Sensor Cable*
CBL-5E-CU4-50F 50 ft. Sensor Cable*
CBL-5E-CU4-75F 75 ft. Sensor Cable*
CBL-5E-CU4-100F 100 ft. Sensor Cable*
CBL-RJ45-RJ45-7F 7 ft. RJ45 Sensor Cable
CBL-RJ45-5W-7F 7 ft. Profile 0 Driver Cable

CBL-RJ45-4W-22N 22 in. Profile 0 Driver Cable
CBL-5E-5W-30N 30 in. Profile 0 Driver Cable
CBL-5E-PWR-30N 30 in. Power Cable
CPL-RJ45 Female RJ45 Coupler

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WARRANTY: 5 years

View www.enlightedinc.com/limited-warranty-terms for complete terms and conditions