

LCCP (plenum)
LCCNP (non plenum)

Communication Cable

General

- Interconnects Source Controllers and peripheral devices
- Carries both power and data in a single cable

Outer Jacket

- Material: PVC
- Color: LCCP, Natural; LCCNP, Black
- Nominal diameter:
LCCP, 0.205 in.; LCCNP, 0.250 in.

Power Wire Pair

- Conductors: 2 x 18 AWG, tinned copper
- Colors: Red/Black
- Shield: None

Data Wire Pair

- Conductors: 2 x 22 AWG, tinned copper
- Colors: Blue/White
- Shield: Aluminum foil (100% coverage)
- Shield drain wire: 24 AWG
- Impedance: 100 Ohms

Applicable Standards

- NEC/(UL) specification:
LCCP-CMP; LCCNP-CMR
- CEC/C(UL) specification:
LCCP-CMP; LCCNP-CMG



Overview

Cooper Controls communications cable is used to interconnect Source Controllers and peripheral devices. The cable provides one 18 AWG wire pair to deliver power to peripherals and one 22 AWG twisted and shielded wire pair to carry data transmissions. Both non-plenum (LCCNP) and plenum rated (LCCP) versions are available.

Catalog#	Project
Prepared by	Date

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Communication Cable

Specifications

Conductors				
Function	Color	Construction		Nominal size
Power	Red	16 strand x 30 AWG tinned copper		18 AWG
Common	Black	16 strand x 30 AWG tinned copper		18 AWG
Data	Blue	7 strand x 30 AWG tinned copper	Twisted pair in foil shield	22 AWG
Data	White	7 strand x 30 AWG tinned copper		22 AWG
Drain		7 strand x 32 AWG tinned copper		24 AWG

General							
Type	Cable outer jacket (PVC)			Ratings			
	Color	Nominal Diameter	Reel length	Impedance (data pair)	Maximum Operating Voltage	Temperature	Plenum rated?
LCCP	Natural	0.205 in.	500 feet	100 Ohm	300V RMS	75°C	Yes
LCCNP	Black	0.250 in.	500 feet	100 Ohm	300V RMS	75°C	No

Ordering

LCCP	Cooper Controls communication cable; plenum rated
LCCNP	Cooper Controls communication cable; non plenum rated

Maximum Voltage 	300V RMS <input checked="" type="checkbox"/>	Standards 	
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This product conforms to one of more of the above standards. Please contact your local Cooper Controls representative for further information

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