



**Product:** [2181LP](#)

Lighting & Automation, 2C 12AWG, 1C 18AWG, 1Pr 22AWG, CL2P

## Product Description

Lighting & Automation Cable, 2C 12 AWG 7x20 stranded, bare copper conductors unshielded, FEP insulation (power), 1C 18 AWG 7x26 stranded, bare copper conductor unshielded, FEP insulation and 1 (data) pair 22 AWG 7x30 stranded bare copper, FEP insulation, Beldfoil@shield w drain, overall Flamarrest® LS PVC jacket, CL2P rated.

## Technical Specifications

### Product Overview

Suitable Applications:	Media, automation, light control
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Pairs
18	7x26	BC - Bare Copper	0.046 in	1	
22		BC - Bare Copper	0.029 in		1
12		BC - Bare Copper	0.089 in	2	

#### Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.064 in
FEP - Fluorinated Ethylene Propylene	0.051 in
FEP - Fluorinated Ethylene Propylene	0.111 in

#### Color Chart

Number	Color
1	Orange
2	Violet & White
3	Black & Red

#### Inner Shield Material

Type	Layer	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Position
No Shield	18 AWG Conductor					
Tape	22 AWG Pair	Bi-Laminate (Alum+Poly)	100%	TC - Tinned Copper	24	Under Shield Tape
No Shield	12 AWG Conductors					

#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.256 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft
16.1 Ohm/1000ft

1.6 Ohm/1000ft
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#### Capacitance

Nom. Capacitance Conductor to Conductor
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25 pF/ft
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#### Current

Max. Recommended Current [A]
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3.5 Amps per Conductor
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2 Amps per Conductor
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8.4 Amps per Conductor
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#### Voltage

UL Description	UL Voltage Rating
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18 AWG	300V RMS
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22 AWG	300V RMS
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12 AWG	300V RMS
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#### Temperature Range

UL Temp Rating:	60°C
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Operating Temp Range:	0°C to +60°C
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#### Mechanical Characteristics

Bulk Cable Weight:	73 lbs
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Max. Pull Tension:	172 lbs
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Min Bend Radius/Minor Axis:	2.6 in
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#### Standards

NEC/(UL) Compliance:	CL2P
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CEC/C(UL) Compliance:	CL2P
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#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU Directive 2012/19/EU (WEEE):	Yes
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EU Directive 2015/863/EU:	Yes
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EU Directive Compliance:	Yes
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EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
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#### Suitability

Suitability - Burial:	No
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Suitability - Hazardous Locations:	No
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Suitability - Indoor:	Yes
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#### Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262
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#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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#### Part Number

Non-Plenum Number:	2181LA
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#### Variants

Item #	Color	Putup Type	Length	UPC
2181LP 009250	White	Reel	250 ft	612825352662
2181LP 009500	White	Reel	500 ft	612825352679
2181LP 0091000	White	Reel	1,000 ft	612825352686

#### History

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