



Product: [2180LP](#)

Lighting & Automation, 2C 18 AWG, 1Pr 22 AWG, CMP

Product Description

Lighting & Automation Cable, 2C 18 AWG bare copper conductors unshielded, FEP insulation (power) and 1 (data) pair 22 AWG stranded bare copper, FEP insulation, Beldfoil®shield w drain, Flamarrest® jacket, CMP rated.

Technical Specifications

Product Overview

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

Conductor

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

Insulation

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

Color Chart

Number	Color
1	Black & Red
2	Violet & White

Inner Shield Material

Type	Layer	Material	Drainwire Material	Drainwire AWG	Drainwire Position
No Shield	18 AWG Conductors				
Tape	22 AWG Pair	Bi-Laminate (Alum+Poly)	TC - Tinned Copper	24	Under Shield Tape

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.173 in

Electrical Characteristics

Conductor DCR

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

Capacitance

Nom. Capacitance Conductor to Conductor
25 pF/ft

Current

Max. Recommended Current [A]
4
2.2

Voltage

UL Description	UL Voltage Rating
18 AWG	300V RMS
22 AWG	300V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	27 lbs
Max. Pull Tension:	52 lbs
Min Bend Radius/Minor Axis:	1.75 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP

Applicable Environmental and Other Programs

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

Suitability

Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes

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:	2180LA
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Variants

Item #	Color	Putup Type	Length	UPC
2180LP 009250	White	Reel	250 ft	612825352433
2180LP 009500	White	Reel	500 ft	612825352440
2180LP 0091000	White	Reel	1,000 ft	612825352457

History

Update and Revision:	Revision Number: 0.49 Revision Date: 08-24-2020
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