



Product: [2180LA](#)

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

Product Description

Lighting & Automation Cable, 2C 18 AWG bare copper conductors unshielded, PVC insulation (power) and 1 (data) pair 22 AWG stranded bare copper, polyethylene insulation, Beldfoil@shield w drain, PVC jacket, CM rated.

Technical Specifications

Product Overview

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

Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Pairs
18 AWG Conductors	18	7x26	BC - Bare Copper	0.046 in	2	
22 AWG Pair	22	7x30	BC - Bare Copper	0.029 in		1

Insulation

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.070 in
PP - Polypropylene	0.052 in

Color Chart

Number	Color
1	Black & Red
2	Violet & White

Inner Shield Material

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

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.202 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:	-20°C to +75°C

Mechanical Characteristics

Bulk Cable Weight:	29 lbs
Max. Pull Tension:	52 lbs
Min Bend Radius/Minor Axis:	2 in

Standards

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

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, LS0H, Toxicity Testing

UL Flammability:	UL 1581 Vertical Tray
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Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	2180LP

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
2180LA 204500	Blue, Light/Black	Reel	500 ft	612825352549
2180LA 204250	Blue, Light/White	Reel	250 ft	612825352532
2180LA 2041000	Blue, Light/White	Reel	1,000 ft	612825352525

History

Update and Revision:	Revision Number: 0.66 Revision Date: 10-15-2020
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