

## 2180LP Multi-Conductor - Media, Automation and Lighting Control



For more Information  
please call

1-800-Belden1



### General Description:

Lighting & Automation Cable, Plenum-CMP, 2-18 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.

### Usage (Overall)

Suitable Applications: Automation/Lighting Control

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
	1	22	7x30	BC - Bare Copper
2		18	7x26	BC - Bare Copper

Total Number of Conductors: 4

#### Insulation

Insulation Material:

Insulation Material	AWG
FEP - Fluorinated Ethylene Propylene	22
FEP - Fluorinated Ethylene Propylene	18

#### Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)	Stranding	Dia. (mm)	Conductor Material
22 AWG Pair	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100			

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Outer Jacket Ripcord: No

#### Overall Cable

Overall Nominal Diameter: 4.394 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Purple & White
2	Red & Black

### Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +60°C

Bulk Cable Weight: 32.740 Kg/Km

Max. Recommended Pulling Tension: 266.892 N

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Min. Bend Radius/Minor Axis: 44.450 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Flame Test

UL Flame Test:	NFPA 262 Plenum Flame Test (UL910)(FT6)
CSA Flame Test:	FT6

#### Suitability

Suitability - Indoor:	Yes
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#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	2180LA

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Description	Capacitance (pF/m)
22 AWG Pair	82.025

#### Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
22AWG	52.824
18AWG	21.327

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Recommended Current:

Description	Current
22AWG	3.8 Amps per conductor @ 25°C
18AWG	7.2 Amps per conductor @ 25°C

### Notes (Overall)

Notes: Sequential footage marking every two feet.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
2180LP 0091000	1,000 FT	28.000 LB	WHITE		1 FS PR #22 + 2 #18 FEP FLRST
2180LP 009250	250 FT	7.250 LB	WHITE		1 FS PR #22 + 2 #18 FEP FLRST
2180LP 009500	500 FT	16.000 LB	WHITE		1 FS PR #22 + 2 #18 FEP FLRST

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