



**Product:** [2285R](#) 

Light Dimmer Cable, 2 Conductor 18 AWG BC, CMR

## Product Description

Light Dimmer Cable, 2 Conductor 18 AWG solid bare copper conductors with polyolefin insulation, CMR rating, PVC jacket with ripcord.

## Technical Specifications

### Product Overview

Suitable Applications:	Ballast Wiring and Connection, Addressable Fire Systems, Data Circuits, Monitor/Detection, Control Circuits, Initiating Circuits, Notification Circuits
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	18 AWG	Solid	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.007 in (0.18 mm)	0.0545 in (1.38 mm)	Purple & Gray

#### Outer Shield

Material
No Shield

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.143 in (3.63 mm)	Yes

Overall Cable Diameter (Nominal): 0.143 in (3.63 mm)

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
6.4 Ohm/1000ft (21 Ohm/km)	23 pF/ft (75 pF/m)	0.16 $\mu$ H/ft (0.52 $\mu$ H/m)	5 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating
300 V

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
75°C	-20°C To +75°C

#### Bend Radius

Stationary Min.	Installation Min.
1.43 in (36.3 mm)	1.43 in (36.3 mm)

Max. Pull Tension: 39.2 lbs (17.8 kg)

Bulk Cable Weight:	15 lbs/1000ft (22 kg/km)
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### Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	2285P

### History

Update and Revision:	Revision Number: 0.83 Revision Date: 01-15-2026
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### Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC
2285R 008500	Gray	Reel	500 ft	612825407973
2285R 0081000	Gray	Reel	1,000 ft	612825407966

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