



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

Construction Details

Conductor

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

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

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 Shield

Material
No Shield

Outer Jacket

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

Outer Jacket

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

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

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
6.4 Ohm/1000ft	23 pF/ft (75 pF/m)	5 Amps per Conductor at 25°C

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
6.4 Ohm/1000ft	23 pF/ft (75 pF/m)	5 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

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

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

Bend Radius

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

Max. Pull Tension:	39.2 lbs (17.8 kg)
Max. Pull Tension:	39.2 lbs (17.8 kg)
Bulk Cable Weight:	15 lbs/1000ft
Bulk Cable Weight:	15 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4
Flammability / Reaction to Fire:	UL1666 Riser, FT4
NEC / UL Compliance:	Article 800, CMR
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
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)
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	2285P
Plenum Number:	2285P

History

Update and Revision:	Revision Number: 0.82 Revision Date: 02-15-2024
Update and Revision:	Revision Number: 0.82 Revision Date: 02-15-2024

Part Numbers

Variants

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

Variants

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

© 2024 Belden, Inc
 All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[2285R 0081000](#)