



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 |
|------------------------|---|

Construction Details

Conductor

| Element | Number of Element | 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 | Yes |

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 |

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 |

Max. Pull Tension: 39.2 lbs (17.8 kg)

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 15 lbs/1000ft |
|--------------------|---------------|

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: 0.80 Revision Date: 12-20-2022 |
|----------------------|---|

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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