



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 50309  
**DESCRIPTION:** 10/3 Bus Drop Cable  
**CONSTRUCTION:** This cable consists of three bare copper insulated conductors and three bare copper grounds cabled and an overall jacket.  
**APPROVALS:** UL Misc. Wire Bus Drop Cable

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### Construction Parameters:



|   |                    |
|---|--------------------|
| Conductor                                     | 10 AWG Bare Copper |
| Stranding                                     | 19/.0234"          |
| Insulation Material                           | PVC                |
| Insulation Thickness                          | 0.031" Nom.        |
| Insulated Conductor Diameter                  | 0.179" Nom.        |
| Ground  | 14 AWG Bare Copper |
| Ground Stranding                              | 19/.0147"          |
| Number of Insulated Conductors + Bare Grounds | 3 + 3              |
| Lay Length                                    | 3.50" Nom.         |
| Filler Type                                   | Polypropylene      |
| Separator                                     | Paper Tissue       |
| Jacket Material                               | PVC                |
| Jacket Thickness                              | 0.047" Nom.        |
| Overall Cable Diameter                        | 0.470" Nom.        |
| Approximate Cable Weight                      | 211.0 Lbs/1M' Nom. |

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### Electrical Properties:

|                                    |  |
|------------------------------------|--|
| Temperature Rating                 | 60°C   |
| Rated Voltage                      | 600 V  |
| DC Resistance per Conductor @ 20°C | 0.99 Ohms/1M' Nom.   |
| Ampacity                           | Per NEC Table 310.16 and<br>Adjustment Factors per Table 310.15(B)(2)(a) |

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|                       |   |
|-----------------------|---|
| Insulation Colors     | Conductors: Black White Red    Grounds: Bare copper   |
| Jacket Color          | Gray  |
| Legend (Indent Print) |  <b>CCI ROYAL</b>  E54868 10-3 BUS DROP CABLE TW INS. 600V (UL) 60C DRY 60C WET OUTDOOR |

This product complies with European Directive 2002/95/EC (RoHS)

The customer will accept all mil lengths and +/- 10 percent of total order requested.  
Material is not returnable and purchase order is non-cancelable after production has been started or special materials have been ordered.

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Customer Name \_\_\_\_\_ Date Signed \_\_\_\_\_

Customer Approval \_\_\_\_\_

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