

COUNTY COUNCIL OF PRINCE GEORGE'S COUNTY, MARYLAND
2008 Legislative Session

Bill No. CB-44-2008

Chapter No. 44

Proposed and Presented by The Chairman (by request – County Executive)

Introduced by Council Members Dean and Dernoga

Co-Sponsors _____

Date of Introduction July 15, 2008

BILL

1 AN ACT concerning

2 Electrical Code

3 For the purpose of amending the Electrical Code to remove provisions requiring the color coding
4 of the armor or metal shell of type AC, HFC and MC electrical cables when installed in buildings
5 of Type I and II construction.

6 BY repealing and reenacting with amendments:

7 SUBTITLE 9. ELECTRICITY.

8 Section 9-107.01,

9 The Prince George's County Code

10 (2003 Edition, 2006 Supplement).

11 SECTION 1. BE IT ENACTED by the County Council of Prince George's County,
12 Maryland, that Section 9-107.01 of the Prince George's County Code be and the same is hereby
13 repealed and reenacted with the following amendments:

14 SUBTITLE 9. ELECTRICITY.

15 DIVISION 1. ELECTRICAL CODE

16 Subdivision 2. Amendments to the National Electrical Code.

17 **Sec. 9-107.01. Wiring Methods and Materials; Article 310 -- Conductors for General**
18 **Wiring.**

19 (a) The following amendments, additions, and/or deletions are made to Article 310 of the
20 National Electrical Code:

21 (1) The following paragraph is added to Section 310.2, "Conductors:" (C)

1 Aluminum Conductors. Aluminum conductors shall be permitted only for service and feeder use
 2 and shall not be smaller than #2 AWG.

3 (2) The following exception is added to Section 310.2, "Conductors:" Listed Cable
 4 assemblies #2 aluminum AWG and larger installed in single-family and multifamily dwellings,
 5 having grounding conductors sized in accordance with Section 250.122, "Size of Equipment
 6 Grounding Conductors," shall be excluded from the requirements set forth in (a)(1), above.

7 (3) [The following amendments are added to Section 310.11(B)(1)(a) "Color Coding:"
 8 In types I and II construction the armor or metal shell of type AC, Health Care Facility Cable
 9 ("HFC") and type MC cable shall be color-coded in accordance with the voltage rating of the
 10 conductors.

11 **Conductors 120/240 120/208 volt colors**

- 12 2 conductors black/white
- 13 3 conductors black/white/red
- 14 4 conductors black/white/red/blue

15 **Conductors 277 volt colors**

- 16 2 conductors gray/orange
- 17 gray/yellow
- 18 gray/brown

19 **Conductors 277/480 volt colors**

- 20 3 conductors brown/orange/gray
- 21 organge/yellow/gray
- 22 brown/yellow/gray
- 23 4 conductors brown/orange/yellow/gray

24 (4)] The following addition is made to 310.15(B)(2)(a)FPN, "Adjustment
 25 Factors:" No diversity allowance is permitted when determining ampacity of three (3) or more
 26 conductors in a raceway or cable.

27 SECTION 2. BE IT FURTHER ENACTED that this Act shall take effect forty-five (45)
 28 calendar days after it becomes law.

Adopted this 9th day of September , 2008.

COUNTY COUNCIL OF PRINCE
GEORGE'S COUNTY, MARYLAND

BY: _____
Samuel H. Dean
Chairman

ATTEST:

Redis C. Floyd
Clerk of the Council

APPROVED:

DATE: _____ BY: _____
Jack B. Johnson
County Executive

KEY:
Underscoring indicates language added to existing law.
[Brackets] indicate language deleted from existing law.
Asterisks *** indicate intervening existing Code provisions that remain unchanged.