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Ampacities of Cables Installed in Cable Trays

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Foreword

This standards publication for *Ampacities of Cables Installed in Cable Trays* (ICEA P-54-440, NEMA WC 51-2014) was developed by the Insulated Cable Engineers Association, Inc. (ICEA) and approved by the National Electrical Manufacturers Association (NEMA). It supersedes WC 51-2009.

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Requests for interpretation of this Standard must be submitted in writing to:

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An official written interpretation will be provided. ICEA will welcome any suggestions on ways to improve this standard.

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CONTENTS

	Page
Foreword	i
Scope	iv
History	iv
Section 1 GENERAL INFORMATION	1
1.1 Background	1
1.2 References	1
1.2.1 Normative References.....	1
1.2.2 Other References	2
1.3 DEFINITIONS.....	2
Section 2 TABLE DEVELOPMENT PARAMETERS	4
2.1 Parameters Used to Develop Tray Ampacity Tables	4
2.1.1 Cable Operating Temperatures.....	4
2.1.2 Allowable Heat Generation.....	4
2.1.3 Calculated Depth of Cables in Trays – Apparent Fill Depth.....	5
2.1.4 Cable Diameters.....	5
2.1.5 Conductor Resistance	5
2.1.6 Calculated Free-Air Ampacity.....	5
2.1.7 Ampacity Values.....	6
Section 3 AMPACITY ADJUSTMENT FACTORS.....	7
3.1 Correction Factor for Diameters of Cables.....	7
3.2 Correction Factor for Temperatures	7
3.2.1 Ambient Temperature.....	7
3.2.2 Conductor Temperature	8
3.3 Correction Factor for Number of Conductors	8
3.4 Correction Factors for Tray Covers.....	9
3.5 Correction Factors for Load Diversity.....	9
3.5.1 Determining the Loading Factor.....	9
3.5.2 Diversity Factors.....	10
Section 4 EXAMPLES	11
4.1 Calculating Apparent Depth of Cable	11
4.2 Selecting Ampacity Values and Using Adjustment Factors	12
4.3 Calculating and Applying Diversity Factors.....	13
4.4 Multiple Adjustment Factors.....	13
4.5 Calculating Ampacities for Cables Not Covered by Tables.....	14
Section 5 TABLES.....	15
5.1 Index to Tables	15

Scope

This Standards Publication covers the ampacity ratings for 600-15,000 volt solid dielectric cables installed in cable trays. Ampacity ratings are tabulated for single conductor cables, triplexed assemblies of single conductor cables, and three-conductor cables incorporating an overall jacket.

Ampacities have been tabulated for the cable constructions and the operating conditions normally encountered for tray applications. Correction factors to adjust the tabulated values to better reflect specific conditions are provided. These include adjustments to account for ambient and operating temperatures, cable construction, tray covers, and diversification of the cable loading.

This standard is intended primarily for use by the utility industry. It is not intended for use where compliance with the *National Electrical Code*® or other regulations is mandatory.