

# IEEE Recommended Practice for Electrical Installations on Shipboard— Cable Systems

IEEE Industry Application Society

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**Petroleum and Chemical Industry Committee**  
of the  
**IEEE Industry Application Society**

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**IEEE-SA Standards Board**

**Abstract:** Recommendations are provided for selection, application, and installation of electrical power, signal, control, data, and specialty marine cable systems on shipboard.

**Keywords:** cable application, cable installation, cable selection, cable systems, control cable, data cable, IEEE 45.8™, offshore drilling and production platforms, power cable, shipboard systems, signal cable, specialty marine cable

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## Introduction

This introduction is not part of IEEE Std 45.8-2016, IEEE Recommended Practice for Electrical Installations on Shipboard—Cable Systems.

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## 1. Overview

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### 1.1 Scope

The scope of this document is to provide recommendations for selection, application, and installation of electrical power, signal, control, data, and specialty marine cable systems on shipboard. These recommendations include the present day technologies, engineering methods, and engineering practices.

### 1.2 Purpose

IEEE Std 45.8 is intended to provide a consensus of recommended practices for the selection, application, and installation of electrical power, signal, control, data, and specialty marine cable systems on shipboard.