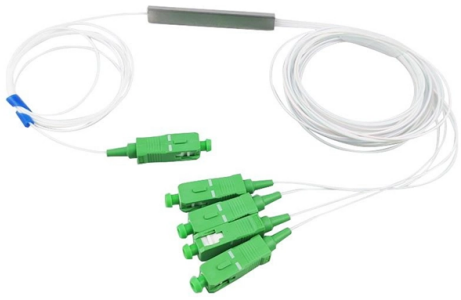
**ZITHA TECH SPECIALTY CABLES (Pty) Ltd**

# How are the wire numbers assigned to the switch cabinet



## Overview

Assign number 1 to the first wire entering the control circuit. Trace through the schematic diagram increasing the numbers given to wires each time you pass through a device.

## Key Takeaways



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Assign number 1 to the first wire entering the control circuit. 4 (A) in the 2023 National Electrical Code (NEC) aim to enhance clarity, safety, and efficiency in the labeling of electrical panelboards, switchboards, and switchgears. These changes reflect a more detailed approach to circuit identification, making it easier for. Purpose – This Article is about all electrical equipment numbering system, Electrical Panel Numbering System, Electrical Wire Numbering System, Electrical Relay Numbering System, Electrical Drawing Numbering System, Electrical Schematic Numbering System, Electrical Cable Numbering Systems. A wire is considered “electrically common” with another wire if they share a direct electrical connection with no switches or loads between them. Consider the circuit below: It is a simple three-wire circuit with single stop and start pushbuttons. Wherever this standard mentions to confer with departments within LLNL, direct your inquiries to the Subcontract Technical Representative. 2 &. All electrical components and wires inside and outside the control cabinet must have numbers that match those on the electrical schematic diagram. The principles to follow are simplicity, ease of memorization. How to distinguish the wire numbers on the distribution cabinet? In the distribution cabinet, the distinction of wire numbers is mainly achieved through **numbering rules, marking positions, functional grouping**, etc.

## Article Content

Electrical Numbering System (Standardised) – PAKTECHPOINT

Electrical Numbering SystemSchematics and Power Circuit ReferencesPower and Control Cable NumberingLighting and Small Power Cable and Equipment NumberingFerrule Numbering on Control Cables8.1 Lighting and Small Power Cables 1. 1.1. For lighting and small power supplies that are taken from a distribution board, run in armored cable, and scheduled, the cable numbers shall be formed from the distribution board reference, the sub-circuit reference number, and the section of the circuit which is cabled (between fittings). See the followi...See more on paktechpoint BCcampus Open Publishing

Numbering System – Basic Motor Control

Assign number 1 to the first wire entering the control circuit. Trace through the schematic diagram increasing the numbers given to wires each time you pass through a device. Give the same number

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