

# Category 5/6 Communication Cable

Communication cables suitable for connecting communication lead-out ends and distribution frames within integrated wiring systems. They integrate high and low frequencies for functions such as telephone, television, computer networking, and automated management.



## Overview

### High-Performance Communication Cabling

This Category 5 and 6 communication cable is designed for integrated building wiring systems, effectively connecting communication lead-out ends to distribution frames. It integrates high and low-frequency signals, combining telephone, television, fax, alarm, computer networking, and automated management functions into a single, reliable cable. Engineered for longevity and safety, it offers versatile installation options for diverse environments including office buildings and industrial facilities.

## Technical Standards

Compliance Standard	YD/T1019-2001
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## Technical Specifications

### Conductor Diameters

- 0.5
- 0.6
- 0.64

### Available Pair Counts

- 2
- 4
- 8
- 16
- 24
- 25
- 50
- 100

Impedance	100 $\Omega$ , 150 $\Omega$
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Supported Categories	Cat 5, Cat 5e, Cat 6
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## Construction & Materials

### Insulation Types

Solid Polyethylene • Low-smoke Halogen-free Flame-retardant Polyethylene • Fluoropolymer

### Jacket Materials

PVC • Low-smoke Halogen-free Flame-retardant Polyethylene • Fluoropolymer

## Applications

### Suitable Environments

- Steel conduits
- Flame-retardant PVC pipes
- Suspended ceilings
- Air conditioning ducts
- Raised floors
- General indoor environments

## Manufacturing Quality

### Manufacturing Precision

**1 mm**

Cabling Pitch Error