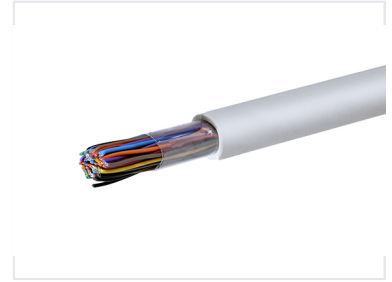


# CAT3 Multipair Communication Cable

This multipair cable utilizes high-quality oxygen-free copper to ensure excellent tensile properties and electrical resistance. It is designed for telephone, multimedia, and trunk system applications.



## Overview

### CAT3 Multipair Communication Cable

This CAT3 multipair communication cable is engineered for reliable voice and data transmission in telephone systems and low-speed communication networks. It features solid bare copper conductors and high-density polyethylene insulation to ensure consistent signal integrity. Designed to meet international standards including IEC, EN, and ANSI/TIA, this cable offers versatile installation options with durable PVC or PE jacket materials suitable for various temperature environments.

## Standards & Compliance

### Compliance Standards

IEC 60332-1, IEC 60332-3-24, EN50399, GB/T18015, ISO/IEC 11801, ANSI/TIA-568.2-D

## Physical Construction

### Jacket Material

- PVC
- PE

### Jacket Diameter by Pair Count

Pair Count	Diameter (mm)
25 Pairs	11.3 ± 0.8
50 Pairs	15.0 ± 1.0
100 Pairs	20.2 ± 1.0

Conductor Material	Solid bare copper
Conductor Gauge	24AWG
Insulation Material	High-density polyethylene
Insulation Diameter	0.87 mm

## Operating Environment

### Operating Temperature Range

**-30 °C**

PE Jacket Min

**60 °C**

PE/PVC Jacket Max

**-20 °C**

PVC Jacket Min

## Electrical Performance

### Key Electrical Parameters

**45 ns/100m**

Max Transmission Delay

**69 %**

Transmission Speed

**6.6 nf/100m**

Max Capacitance

**9.5  $\Omega$ /100m**

Max DC Resistance

**5 %**

DC Resistance Unbalance