

# CAT7A S/FTP Ethernet Cable

This high-speed data cable is designed for cabling systems in cloud computing centers, computer rooms, and factories. It is suitable for use in LANs such as IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, and 10GBase-T, and can also be used in industrial environments.



## Overview

### High-Performance CAT7A Networking

This CAT7A S/FTP Ethernet cable is engineered for demanding high-bandwidth environments, supporting transmission frequencies up to 1000 MHz. Featuring individually shielded twisted pairs and an overall tinned copper wire braid, it provides exceptional resistance to electromagnetic interference (EMI). Built for reliability, this cable is suitable for data centers and enterprise networks requiring stable, high-speed connectivity.

## Technical Specifications

### Maximum Frequency

**1000 MHz**  
Frequency

Characteristic Impedance	100 $\Omega$
Insulation Resistance	$e6 @ m$
Test Voltage	1000 V

## Construction & Materials

### Shielding

- AL/Mylar individual screen
- Tinned copper wire overall braid

Conductor Material	Solid bare copper
Insulation	Foamed PE
Jacket Options	PVC, LSZH

## Environmental & Safety

### Flame Resistance Standard

IEC60332-1

Operating Temperature (PVC)	-20°C to 70°C
Operating Temperature (LSZH)	-40°C to 80°C

## Compliance & Standards

### Reference Standards

- IEC61156-5
- EN50173
- ISO/IEC11801

## Installation

### Minimum Bending Radius

8D (8 x cable diameter)