

CAT6 Ethernet Flex Cable

This high-speed data cable is designed for cabling systems in computer rooms, factories, and other buildings. The shielded cable is suitable for flexible use in machines, equipment, instruments, and control cabinets.



Product Overview

High-Performance CAT6 Flex Cable

This CAT6 Ethernet flex cable is engineered for reliable data transmission up to 250 MHz in demanding environments. It features a versatile construction with options for PVC, PUR, or LSZH jacketing to suit specific installation requirements. Designed for both fixed and occasional movement applications, it ensures signal integrity with excellent EMI resistance in shielded configurations.

Electrical Specifications

Test Voltage

1000 V
Test Voltage

| | |
|--------------------------|--------------|
| Characteristic Impedance | 100 Ω |
| Insulation Resistance | e6@m |

Mechanical & Environmental

Minimum Bending Radius

| Application Type | Radius |
|---------------------|--------|
| Fixed Application | 8D |
| Occasional Movement | 15D |

Temperature Range

| Application | PVC | LSZH / PUR |
|---------------------|--------------|--------------|
| Fixed | -20°C ~ 70°C | -40°C ~ 80°C |
| Occasional Movement | -5°C ~ 60°C | -5°C ~ 70°C |

Construction & Materials

Cable Construction

- Conductor: Stranded bare copper
- Insulation: PE
- Jacket Options: PVC, PUR, LSZH

| | |
|-------------------|--|
| Shielding Options | U/UTP (Unshielded), F/UTP (AL/Mylar Screen), SF/UTP (Screen and Braid) |
|-------------------|--|

Compliance & Features

Key Features

Flame Resistant (IEC60332-1) • EMI Resistant • Up to 250 MHz • Flexible Design

Reference Standards

IEC61156-5, ANSI/TIA-568-C.2, EN50173, ISO/IEC11801