

Gigabit Ethernet CAT5e Cable

This cable supports 1000 BASE-T and is designed for machine vision systems and industrial cameras. It protects data transmission for cameras in motion control and other harsh environments.



Overview

High-Performance Gigabit Connectivity

This Gigabit Ethernet CAT5e cable is engineered for reliable data transmission in demanding network environments. Featuring high flexibility and shielded RJ45 connectors, it is specifically designed for moved applications and environments requiring excellent stability. With robust resistance to external EMI and flame-resistant construction, this cable ensures long-lasting performance for computers, routers, and switches.

Technical Parameters

Temperature Range

Installation Type	Temperature
Fixed Installation	-20°C to 80°C
Moved Installation	-5°C to 70°C

Minimum Bending Radius

5 D Fixed Installation (D=Diameter)	10 D Moved Installation (D=Diameter)
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Electrical Characteristics

- Characteristic Impedance: 100±15Ω
- Protection Classification: IP20
- Drag chain application: e10 million times

Construction

Material Composition

- Conductor: Flexible ultra-fine stranded copper wire (IEC 60228/VDE 0295 class 6)
- Insulation: PE
- Shield: Tinned copper wire braid
- Jacket: PVC

Jacket Color	Black
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Features

Key Features

High Flexibility • EMI Resistant • Flame Resistant • Shielded RJ45

Compliance

Reference Standards

ANSI/TIA-568-C.2, ISO/IEC 11801, IEC 60332-1