

CAT5e Ethernet Cable for Drag Chain Applications

This high-speed data cable is designed for use in numerical control machines, engraving machines, woodworking machinery, and monitors. It is well-suited for drag chain applications or environments with frequent movement.



Product Overview

High-Performance Drag Chain Ethernet Cable

This CAT5e Ethernet cable is engineered specifically for demanding drag chain applications, ensuring reliable data transmission up to 100 MHz. Built for durability, it features flexible stranded copper wiring and a robust jacket available in PVC or PUR, making it resistant to oil and external EMI. With a proven service life of over 10 million drag chain cycles, this cable is an ideal solution for dynamic industrial environments.

Technical Specifications

Temperature Range (Fixed)	-40°C ~ 80°C
Temperature Range (Moved)	-5°C ~ 70°C
Test Voltage	1000 V
Characteristic Impedance	100 Ω
Insulation Resistance	≥ 500 MΩ

Mechanical Performance

Drag Chain Application Life

10 million
Cycles

Min. Bending Radius (Fixed)	5D
Min. Bending Radius (Moved)	10D

Construction

Material Composition

- Conductor: Flexible stranded copper wire (IEC60228 / VDE0295 Class 6)
- Insulation: PE
- Jacket: PVC / PUR
- Shielding: SF/UTP or S/UTP options

Compliance & Features

Key Features

Flame resistant • EMI resistant • Oil resistant • High flexibility

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