

USB 3.0 Type-A to Micro-B Data Cable

Designed for machine vision systems and industrial cameras, this USB 3.0 cable supports 1000 BASE-T. It provides protection of data transmission for cameras in motion systems and other harsh environments.



Product Overview

High-Performance Data Connectivity

This USB 3.0 Type-A to Micro-B data cable is engineered for high-speed connectivity and robust performance in demanding professional environments. Featuring advanced shielding and high-flexibility conductor design, it ensures stable data transfer up to 5 Gbps while maintaining resistance to external electromagnetic interference. Designed for longevity, this cable is built for heavy-duty applications including drag chain usage with a lifespan of up to 10 million cycles.

Technical Parameters

Operating Temperature Range

Condition	PVC Range
Fixed Installation	-20°C to 80°C
During Installation	-5°C to 70°C

Protection Classification

IP20

Minimum Bending Radius

- Fixed Installation: 5D (D=cable diameter)
- Mobile Installation: 10D (D=cable diameter)

Characteristic Impedance

100 Ω

Cable Construction

Materials and Standards

Flexible ultra-fine stranded copper, Foamed PE, PVC Jacket, AL/Mylar Screened

Performance Features

Key Performance Metrics

5 Gbps

Data Transfer Rate

10 million

Drag Chain Cycles

Reference Standards

ANSI/TIA-568-C.2, ISO/IEC 11801, IEC 60228, IEC 60332-1