

# 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  $\Omega$

## Cable Construction

### Materials and Standards

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

## Performance Features

### Key Performance Metrics

<b>5 Gbps</b> Data Transfer Rate	<b>10 million</b> Drag Chain Cycles
-------------------------------------	--

### Reference Standards

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