

Continuous Flexing Control Cable

This control cable is designed for continuous flexing applications in CNC machine tools and automation equipment. It is suitable for drag chains or frequent movement where electrical interference is a concern.



Product Overview

Continuous Flexing Control Cable

This highly flexible control cable is specifically engineered for continuous flexing applications, making it ideal for use in drag chains, industrial automation, robotics, and machine tools. Its robust construction features a tinned copper braid shield for excellent electromagnetic compatibility (EMC) protection, ensuring reliable performance in demanding environments. Designed for longevity and reliability, it offers high resistance to abrasion, oils, and chemicals, while maintaining excellent flexibility.

Electrical Specifications

Rated Voltage

300 V

Rated Voltage

500 V

Max Voltage

Test Voltage

4000 V/min

Insulation Resistance

e2M@m (at 20°C)

Mechanical Properties

Minimum Bending Radius

Application Type	Radius
Fixed Application	4D
Mobile Application	7.5D

Drag Chain Performance

10000000 cycles

Environmental Conditions

Temperature Range

Application	Min Temp	Max Temp
Fixed	-40	70
Mobile	-5	70

Construction & Materials

Conductor Material	Fine stranded bare copper (IEC 60228/VDE 0295 class 6)
Insulation Material	TPE
Shielding	Tinned copper braiding
Jacket Color	Grey (RAL7001)

Certifications & Compliance

Certifications	UL2464
Flame Resistance Standard	IEC 60332-1