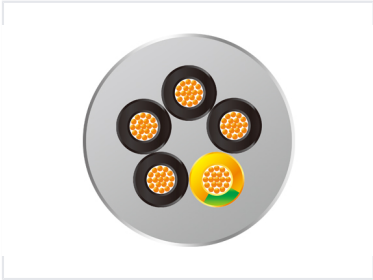


# Continuous Flex Control Cable

This continuous flex control cable is suitable for drag chain applications and frequent movement in greasy environments. It can be used as a control cable in CNC machine tools, engraving machines, woodworking machines, steel production and other automation equipment production lines.



## Overview

### Continuous Flex Control Cable

This high-performance control cable is specifically engineered for demanding dynamic applications, including drag chains, robotics, and automation systems. Featuring a durable PUR jacket and fine stranded copper conductors, it offers exceptional resistance to oil, abrasion, and hydrolysis. It is designed to withstand millions of cycles, ensuring reliable power and signal transmission in harsh industrial environments.

## Electrical Ratings

### Rated Voltage

<b>300 V</b> Rated Voltage	<b>500 V</b> Max Voltage
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<b>Test Voltage</b>	4000 V
<b>Insulation Resistance (20°C)</b>	e2M@m

## Mechanical Performance

### Minimum Bending Radius

Application	Radius
Fixed Application	4D
Mobile Application	7.5D

<b>Drag Chain Life Cycle</b>	3~8 million times
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## Environmental Conditions

### Temperature Range

- Fixed Application: -40°C to 70°C
- Mobile Application: -5°C to 70°C

## Cable Construction

### Construction Materials

- Conductor: Fine stranded bare copper (IEC 60228/VDE 0295 class 5)
- Insulation: PVC
- Shielding: Tinned copper braiding
- Jacket: PUR (Grey, RAL 7001)

### Core Identification

DIN VDE 0293 (Black cores with white numbering, green-yellow conductor)

## Features

### Performance Features

Flame Resistant (IEC60332-1), Oil Resistant, Abrasion Resistant, Anti-Hydrolysis, High Flexibility