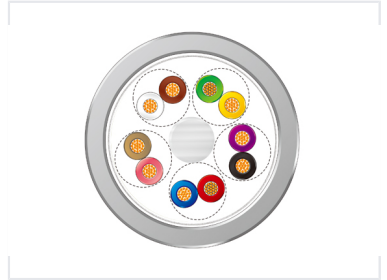


# Continuous Flex Twisted Pair Control Cable

This control cable is designed for signal control in CNC machine tools and automation equipment. It is suitable for drag chain applications and frequent movement.



## Product Overview

### Continuous Flex Twisted Pair Control Cable

This highly flexible twisted pair control cable is engineered for demanding continuous flex applications, particularly within drag chain systems. It features fine stranded bare copper conductors and robust PVC insulation, ensuring reliable signal integrity and performance in industrial automation and robotics environments. Designed to withstand mechanical stress, oil, and abrasion, this cable offers excellent resistance to external electromagnetic interference for consistent data transmission.

## Electrical Ratings

### Test Voltage

**2000 V**

Test Voltage

|                              |         |
|------------------------------|---------|
| Rated Voltage                | 300 V   |
| Insulation Resistance (20°C) | e10M@1m |

## Mechanical Specifications

|                              |                   |
|------------------------------|-------------------|
| Min. Bending Radius (Fixed)  | 4 D               |
| Min. Bending Radius (Mobile) | 7.5 D             |
| Drag Chain Cycles            | 3-8 million times |

## Temperature Range

|                    |               |
|--------------------|---------------|
| Fixed Application  | -40°C to 80°C |
| Mobile Application | -5°C to 70°C  |

## Construction

|                     |  |
|---------------------|--|
| Conductor           | Fine stranded bare copper (IEC 60228/VDE 0295 class 6) |
| Insulation Material | PVC  |
| Jacket Color        | Grey (RAL 7001)  |

## Certifications & Features

### Key Features

Flame Resistant • High Flexibility • Oil Resistant • Abrasion Resistant • Anti-Hydrolysis • EMI Shielding

### Certifications

UL2464