

# Multi-Conductor Control Cable

This control cable can be used in tool machines, conveyor belts, and production lines, and is suitable for greasy and wet environments with electrical interference. It is designed for fixed applications or non-sustained shuttle bending movement and can be used outdoors in low temperatures.



## Product Overview

### High-Performance Multi-Conductor Control Cable

This multi-conductor control cable is engineered for demanding industrial environments, featuring a robust PUR outer jacket that provides exceptional resistance to oil, abrasion, and hydrolysis. Designed with a tinned copper braid shield, it offers excellent protection against external electromagnetic interference, ensuring reliable signal integrity. Its flexible construction and small bending radius make it an ideal choice for automation, robotics, and machine tool applications where durability and consistent performance are critical.

## Technical Specifications

### Operating Temperature Range

**-50 °C**

Fixed Application Min

**90 °C**

Fixed Application Max

**-40 °C**

Occasional Movement Min

**80 °C**

Occasional Movement Max

### Minimum Bending Radius

Application	Radius
Fixed Application	6D
Occasional Movement	15D

Rated Voltage	500 V
Test Voltage	3000 V
Insulation Resistance (20°C)	e20M@m

## Construction & Materials

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

## Features

### Compliance Standards

- IEC 60332-1 (Flame resistance)
- IEC 60228/VDE 0295 class 5 (Conductor)
- DIN VDE 0293 (Color coding)

### Key Features

Flame Resistant, Halogen Free, Oil Resistant, Abrasion Resistant, Anti-Hydrolysis, EMI Shielded