

Continuous Flex Signal Control Cable

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



Product Overview

Continuous Flex Signal Control Cable

This specialized signal control cable is engineered for continuous flex applications, offering exceptional durability in dynamic environments like robotics and automation. Featuring fine stranded bare copper conductors and a robust PVC jacket, it ensures consistent signal transmission and mechanical stability. With high resistance to oil and abrasion, this cable is designed to withstand millions of flex cycles while maintaining integrity under demanding operational conditions.

Technical Parameters

Temperature Range

-40 °C

Fixed Min

80 °C

Fixed Max

-5 °C

Mobile Min

70 °C

Mobile Max

Rated Voltage

30 V

Test Voltage

500V/min (AC)

Insulation Resistance

e10M@m (at 20°C)

Mechanical Properties

Minimum Bending Radius

Application	Radius
Fixed Application	4D
Mobile Application	7.5D

Drag Chain Cycles

3–8 million times

Cable Construction

Conductor

Fine stranded bare copper (IEC 60228/VDE 0295 class 6)

Insulation

PVC

Jacket Color

Grey (RAL 7001)

Features & Compliance

Certifications

UL20276

Key Features

Flame resistant (IEC60332-1), High flexibility, Oil resistant, Small bending radius