

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
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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
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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
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