

Continuous Flex Shielded Control Cable

This control cable is designed for continuous flexing applications in automated machinery. It can be used as signal control cables in low voltage systems for CNC machine tools, engraving machines, and wood-working machines.



Product Overview

Continuous Flex Shielded Control Cable

This high-performance control cable is engineered for continuous flex applications, making it an ideal solution for drag chains, robotics, and automated machinery. Featuring a tinned copper braided shield, it offers excellent protection against external electromagnetic interference (EMI). Built with a durable PVC jacket and fine stranded bare copper conductors, this cable combines high flexibility with resistance to oil and flame, ensuring reliable operation in demanding industrial environments.

Technical Parameters

Operating Temperature

-40 °C Fixed Min	80 °C Fixed Max	-5 °C Mobile Min	70 °C Mobile Max
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Minimum Bending Radius

Application	Radius
Fixed Application	4D
Mobile Application	7.5D

Rated Voltage	30 V
Test Voltage	500V/min (AC)
Insulation Resistance (20°C)	e10M@m

Cable Construction

Conductor	Fine stranded bare copper (IEC 60228/VDE 0295 class 6)
Insulation	PVC
Shielding	Tinned copper braiding
Jacket Color	Grey (RAL 7001)

Performance & Certification

Technical Certification

UL20276

Drag Chain Life	3-8 million cycles
Key Features	Flame Resistant (IEC60332-1), Oil Resistant, EMI Shielded, High Flexibility