

Flexible Control Cable for Automation

This flexible control cable is designed for continuous flexing applications. It is suitable for use in CNC machine tools, automation equipment, and production lines requiring frequent movement.



Product Overview

Flexible Control Cable for Automation

This high-performance control cable is engineered specifically for continuous flexing applications, making it an ideal choice for drag chains, robotic systems, and automated machinery. Built with fine-stranded bare copper conductors and a durable, oil-resistant PVC jacket, it offers exceptional reliability in demanding industrial environments. Its design prioritizes flexibility and long service life, ensuring consistent performance even under rigorous movement cycles.

Electrical Specifications

Test Voltage

4000 V

Test Voltage

Rated Voltage

500 V

Insulation Resistance

e20M@m (at 20°C)

Mechanical Performance

Minimum Bending Radius

Application Type	Radius
Fixed Application	4D
Mobile Application	7.5D

Drag Chain Life Cycle

3-8 million cycles

Environmental Conditions

Temperature Range

Environment	Range
Fixed Application	-40°C to 70°C
Mobile Application	-5°C to 70°C

Cable Construction

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

Features & Compliance

Key Features Flame Resistant • High Flexibility • Oil Resistant	
Flame Resistance Standard	IEC 60332-1