

Servo Motor Connection Cable for Automation Equipment

This cable is designed for connecting motors and controllers in CNC machine tools, robots, and automation equipment. It is suitable for drag chains and frequent movement in greasy and wet environments with electrical interference.



Product Overview

High-Performance Servo Connection Cable

This servo motor connection cable is engineered for demanding automation environments, offering superior flexibility and durability. Designed for continuous motion applications, it features a PUR jacket and advanced shielding to resist oil, abrasion, and electromagnetic interference. With a proven drag chain life of over 10 million cycles, it ensures reliable signal integrity in high-speed industrial machinery.

Technical Parameters

Test Voltage

- Core/Core: 4000V/min (AC)
- Core/Shield: 4000V/min (AC)

Insulation Resistance

1000 MΩm
Min Resistance

Rated Voltage

Standard	Voltage
UL/CSA	600V
IEC/VDE (<=0.5mm ²)	300/500V
IEC/VDE (>0.5mm ²)	450/750V

Temperature Range

-40°C to 80°C

Mechanical Specs

Min. Bending Radius

- Fixed Application: 4D
- Mobile Application: 7.5D

Drag Chain Life

10000000 cycles

Construction

Conductor Material	Ultra fine stranded bare copper (IEC 60228/VDE 0295 class 6)
Jacket Material	PUR (Polyurethane)
Shielding	Control pair tinned copper braiding, tinned copper overall braiding

Features

Key Features

Halogen-free, Flame retardant, Oil resistant, Abrasion resistant, Anti-hydrolysis, EMI resistant

Certifications

Technical Certification

UL20939