

Servo Motor Connection Cable for Automation Equipment

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



Overview

High-Performance Servo Motor Cable

Designed specifically for demanding automation environments, this servo motor connection cable offers superior flexibility and durability. It features advanced shielding to protect against electromagnetic interference and a robust PUR jacket resistant to oil and abrasion. Ideal for drag chain applications, this cable ensures reliable signal transmission even under continuous movement.

Electrical Specifications

Test Voltage

4000 V
Core/Core

4000 V
Core/Shield

Rated Voltage 600/1000V

Insulation Resistance (20°C) e20M@m

Mechanical Performance

Minimum Bending Radius

Application	Radius
Fixed	4D
Mobile	7.5D

Drag Chain Life 8000000 cycles

Environmental Ratings

Operating Temperature

- Fixed Application: -50°C to 90°C
- Occasional Movement: -40°C to 90°C

Construction

Conductor Material	Ultra-fine stranded bare copper (IEC 60228/VDE 0295 class 6)
Insulation Material	PP
Jacket Material	PUR
Jacket Color	Orange (RAL2003)

Key Features

Core Features

Halogen-free • Flame retardant • Oil resistant • Abrasion resistant • Anti-hydrolysis • Low capacitance