

Flexible Servo Cable for Automation

This servo cable is designed for connecting motors and controllers in automation equipment. It is suitable for use in environments with electrical interference and occasional movement.



Overview

Flexible Servo Cable for Automation

This highly flexible servo cable is engineered for demanding industrial applications requiring continuous motion, such as robotics and automated machinery. Featuring a robust construction with individual insulation and comprehensive shielding, it ensures reliable signal transmission and power supply while minimizing electromagnetic interference. Designed for longevity in dynamic environments, the cable offers excellent resistance to oil, abrasion, and chemicals, supporting tight bending radii for complex installations.

Electrical Specifications

Rated Voltage

1000 V

Power Line Max

500 V

Control Line Max

Test Voltage (Power Line)

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

Test Voltage (Control Wire)

- Core/Core: 4000V/min (AC)
- Core/Shield: 300V/min (AC)

Insulation Resistance

20 MΩm

Mechanical & Environmental

Temperature Range

- Fixed application: -40°C to 90°C
- Occasional movement: -5°C to 90°C

Minimum Bending Radius

- Fixed Application: 6D (D = cable diameter)
- Occasional Movement: 15D (D = cable diameter)

Construction

Conductor	Fine bare copper stranded conductor (IEC 60228/VDE 0295 class 5)
Shielding	Control pair AL/Mylar screen, Tinned copper braiding, Tinned copper overall braiding
Jacket Color	Orange (RAL 2003)

Features

Key Features

Flame retardant (IEC60332-1) • High flexibility • Small bending radius • EMC interference resistant • Oil resistant