

# Servo Motor Cable Assembly

These cable assemblies connect motors and converters in CNC machines, robots, and automation equipment. They are designed for drag chain use and frequent movement in oily, wet environments with high electrical interference.



## Product Overview

### High-Performance Servo Motor Connectivity

This industrial-grade servo motor cable assembly is engineered for demanding automation and robotics applications. Featuring high-flexibility PUR jacketing and robust tinned copper shielding, it provides superior resistance to oil, abrasion, and electromagnetic interference. Designed for longevity and reliability, this cable is fully compatible with drag chain operations and high-stress movement requirements.

## Technical Specifications

### Test Voltage

**4000 V/min**  
Core to Core

**4000 V/min**  
Core to Shield

Rated Voltage	600 V
Operating Temperature Range	-40°C to 80°C

## Construction Details

### Construction Components

Component	Material / Standard
Conductor	Ultra-fine stranded bare copper (IEC 60228 class 6)
Insulation	TPE
Shielding	Tinned copper braiding
Jacket	PUR (Orange RAL2003)

Connector Type	M23 circular connector
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## Mechanical Performance

### Minimum Bending Radius

- Fixed Application: 4D
- Moved Application: 7.5D

## Compliance and Properties

### Standards Compliance

IEC 60332-1 • DIN VDE 0293

Key Features	Oil Resistant, Abrasion Resistant, EMI Shielded, Drag Chain Suitable, High Flexibility
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