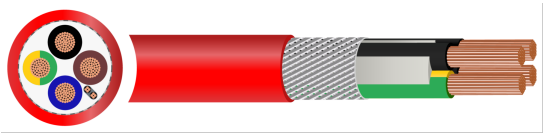
Servo Cables CP - 1.5mm² to 70mm²



Description

Servo CP cables are high-performance links that transmit power and signals between frequency converters and motors in motion control systems. These cables are designed to provide the energy and feedback data necessary for the precise regulation of motor speed, torque, and positioning. By facilitating this critical communication, they ensure the accurate and synchronized operation of both servo and stepper motor configurations.

These cables are engineered for demanding industrial environments, such as CNC machines and temperature control units, where high-speed movement and rapid acceleration are required. They feature integrated electromagnetic compatibility (EMC) properties to maintain signal integrity in settings with high electrical noise. With a standard voltage rating of 0.6/1kV, they provide a reliable power solution while maintaining the mechanical flexibility needed for dynamic automation.

To support global market access, these cables comply with stringent international safety and performance standards. They meet the requirements for UL (Underwriters Laboratories) and CSA (Canadian Standards Association) certifications, ensuring they are suitable for use in North American industrial environments. Furthermore, they carry the CE mark, confirming compliance with European health, safety, and environmental protection legislation, including the Low Voltage and EMC Directives.. The Servo Cable CP is suitable for application in machine tools and drag chains under medium mechanical strain.

Key Features

Voltage Rating
600/1000 Volts

Minimum Bending Radius
Fixed: 5 x overall diameter
Flexing: 8 x overall diameter

Flame Retardancy
BS EN/IEC 60332-1

Temperature Limits
Fixed: -50°C to +80°C
Flexing: -35°C to +80°C

Core Colours

Green Yellow and Black numbered.

Standards

- BS EN/IEC 60811-404
- BS EN/IEC 60332-1
- Siemens Standard 6FX8008

Construction

- **Conductor**: Class 6 extra flexible copper
- **Insulation**: Polypropylene (PP)
- **Braiding**: Tinned Copper Wire Braiding (TCWB)
- **Outer Sheath**: Polyurethane (PUR)
- **Sheath Colour**: Orange

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

Servo Cables CP - 1.5mm² to 70mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
SERVOCP4X1/5	1.5	4	9.00	160
SERVOCP4X2/5	2.5	4	10.50	235
SERVOCP4X4	4	4	11.90	320
SERVOCP4X6	6	4	14.60	470
SERVOCP4X10	10	4	17.50	675
SERVOCP4X16	16	4	21.70	1085
SERVOCP4X25	25	4	25.50	1530
SERVOCP4X35	35	4	28.60	2090
SERVOCP4X50	50	4	33.20	2710
SERVOCP4X70	70	4	42.50	4115

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.