Mitsubishi □□ □□□ □□□ Series Service Manual

MR-J3-HC2S-SH-25M

1. Description

The MR-J3-HC2S-SH-25M is a servo cable developed by Mitsubishi within the MELSERVO MR-J3 series. It is a 25-meter high-flex cable designed for robust applications and supports direct connections.

2. Specifications

Specification	Value
Manufacturer	**Mitsubishi**
Product	**Type Servo Cable**
Product	**Line MELSERVO MR-J3**
Part	**Number MR-J3-HC2S-SH-25M**
Cable	**Length 25 m**
Shielding	**Shielded type**
Cable	**Type High Flex**
Connector	**Type Direct connection**
Degree	**of Protection IP65**
Compatibility	**HC-LP/HC-RP and HC-UP series 1kW/1.5kW motors and MR-J3 series amplifiers**
Bending	**Life Long bending life**
Operating	**Temperature -10°C to 60°C**
Description	
Mitsubishi	**designed the MR-J3-HC2S-SH-25M as a specialized servo cable for the MELSERVO MR-J3 series. This cable is 25 meters long and classified as a high-flex type, ensuring durability and resistance to wear under dynamic conditions. Its shielded configuration enhances performance by minimizing electromagnetic interference, which is crucial for precision applications.**

3. Product Information

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Technical specifications for MR-J3-HC2S-SH-25M

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The MR-J3-HC2S-SH-25M cable features direct connection capabilities, simplifying integration with compatible devices. It is engineered to work with HC-LP, HC-RP, and HC-UP series motors rated at 1kW and 1.5kW, as well as MR-J3 series amplifiers. The IP65 rating signifies its effectiveness at repelling dust and moisture, making it suitable for challenging environments without compromising signal integrity.

Constructed for extended bending life, the MR-J3-HC2S-SH-25M cable ensures longevity even in flexible applications. It operates efficiently across a temperature range from -10°C to 60°C. Weighing 5.44 kg, this cable is robust yet manageable, making it an excellent choice for integrating advanced motion control systems.