



400Hz Cable Coiler M25sc

INTRODUCTION

The Cavotec Cable Coiler is a device to connect parked aircraft to the fixed electrical ground power. It is either mounted on a passenger bridge or on a ground mounted.

ADVANTAGES

- Motor-driven reel, distributing 400Hz power to aircraft with automatic reeling of the 400Hz aircraft cable
- Safe ground handling operation due to easy control of the coiler and its functions
- Robust design ensuring low maintenance costs due to improved cable management and protective enclosure for the 400Hz cable
- Highly safe system with remote ground handling operations via push-buttons located at the Cavotec 400Hz aircraft connector or at the bridge column
- Integration of the Cavotec 400Hz cable harness for an improved power transmission

MAIN COMPONENTS

- Steel frame primed and powder coated, covers painted aluminium (colour: RAL 9006 aluminium white)
- PLC control with frequency controlled motor
- Limit switches and overload protection
- Coiling drum is motor driven with gear reducer
- Pressure rollers located on the perimeter of the coiling drum ensure safe coiling of the cable

OPTIONS

- Cable versions:
 - 24m usable 400Hz service cable (25m of 7x35mm²+6x4x1mm² with coupling and 1.8m of 4x70+4x1mm² special aircraft cable)
 - 23m usable 400Hz service cable (25m of 3x70+3x12+6x4x1mm²)
- Mounting bracket for bridge installation of 1 coiler
- Moveable mounting bracket for bridge installation of 2 coilers
- Remote control box, IP67, cable up/down and e-stop, one per coiler



Code C Gate configuration



Code E Gate configuration



Easy connection with to 400Hz converter

ACCESSORIES

- Cable type and length
- Connectors
- Plugable coupling
- Other RAL colors upon request



TECHNICAL DATA

Dimensions (L/W/H):	1100x1005x745mm
Weight:	320kg with cable, 220kg without cable
Voltage:	230V / 50Hz (optional 60Hz)
Motor power:	1.1kW controlled by motor frequency converter
Protection class:	IP 54
Coiling speed:	up to 0.7 m/s
Power transmission:	90kVA, 115/200V, 400Hz
Temperature range:	-25° to +40°C with heater
Sound pressure level at cable outlet:	< 65 dB(A)
Designed to meet the norms:	EN 1915-1 /EN 1915-2 /EN 60204 /LN 29845 /ISO461 /DFS400 /BGVC10
Usable cable length:	23 m / 24 m

CONFIGURATION EXAMPLES

Pedestal or bridge mounted version, various cable lengths.

TECHNICAL DRAWINGS

