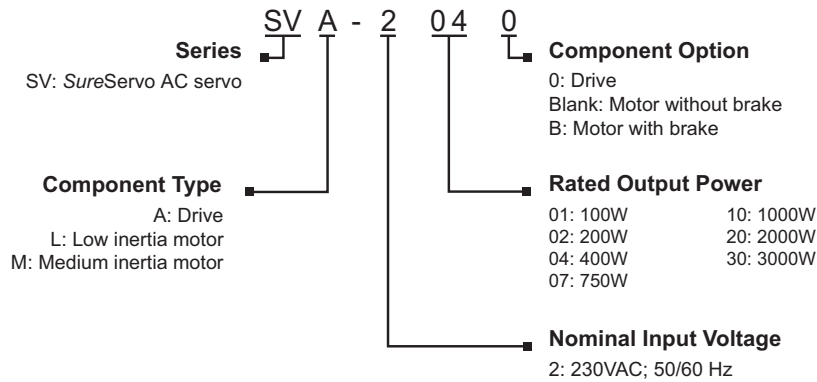


SureServo™ AC Servo System Configuration

SureServo series drives and motors part numbering system



Here is what you will need to order a complete servo system:

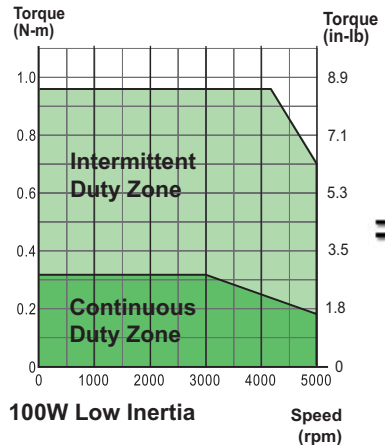


SureServo AC servo drive, motor, and cable combinations

| Inertia and Power | | Drive and Motor | | | Power Cables | | | | Encoder Feedback Cables | | | | Misc. |
|-------------------|-------|-----------------|----------------------------------|-------------------------------|---------------------|---------------------|---------------------|---------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------|
| Inertia | Power | Servo drive | Servo motor without brake (note) | Servo motor with brake (note) | Power Cable - 10 ft | Power Cable - 20 ft | Power Cable - 30 ft | Power Cable - 60 ft | Encoder Feedback Cable - 10 ft | Encoder Feedback Cable - 20 ft | Encoder Feedback Cable - 30 ft | Encoder Feedback Cable - 60 ft | ZIPLink Cable Kit |
| Low inertia | 100W | SVA-2040 | SVL-201 | SVL-201B | SVC-PFL-010 | SVC-PFL-020 | SVC-PFL-030 | SVC-PFL-060 | SVC-EFL-010 | SVC-EFL-020 | SVC-EFL-030 | SVC-EFL-060 | ASD-BM-50A |
| | 200W | | SVL-202 | SVL-202B | | | | | | | | | |
| | 400W | | SVL-204 | SVL-204B | | | | | | | | | |
| | 750W | | SVL-207 | SVL-207B | | | | | | | | | |
| | 1000W | SVA-2100 | SVL-210 | SVL-210B | SVC-PHM-010 | SVC-PHM-020 | SVC-PHM-030 | SVC-PHM-060 | SVC-EHH-010 | SVC-EHH-020 | SVC-EHH-030 | SVC-EHH-060 | |
| Medium inertia | 1000W | SVA-2300 | SVM-210 | SVM-210B | SVC-PHH-010 | SVC-PHH-020 | SVC-PHH-030 | SVC-PHH-060 | SVC-EHH-010 | SVC-EHH-020 | SVC-EHH-030 | SVC-EHH-060 | |
| | 2000W | | SVM-220 | SVM-220B | | | | | | | | | |
| | 3000W | | SVM-230 | SVM-230B | | | | | | | | | |

NOTE: EACH SERVO MOTOR REQUIRES AN ENCODER FEEDBACK CABLE AND A POWER CABLE. THE MOTOR POWER CABLE INCLUDES BRAKE POWER WIRES FOR THE OPTIONAL MOTOR BRAKE.

100W Low Inertia System



$J_m = \text{Motor Inertia} = 0.000027 \text{ lb-in-s}^2 (0.000003 \text{ kg} \cdot \text{m}^2)$

SureServo Motor



Motor Power Cable (1)



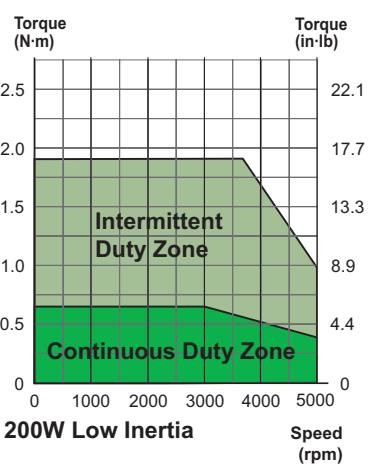
Motor Encoder Cable (1)



Z/PLink Kit for CN1

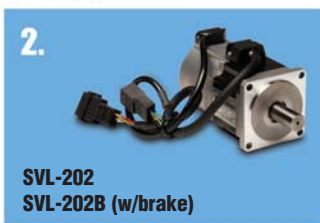


200W Low Inertia System



$J_m = \text{Motor Inertia} = 0.00016 \text{ lb-in-s}^2 (0.000018 \text{ kg} \cdot \text{m}^2)$

SureServo Motor



Motor Power Cable (1)



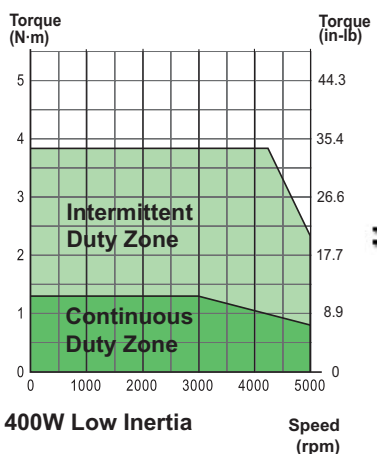
Motor Encoder Cable (1)



Z/PLink Kit for CN1

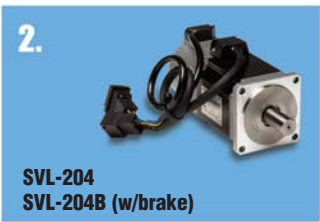


400W Low Inertia System



$J_m = \text{Motor Inertia} = 0.0003 \text{ lb-in-s}^2 (0.000034 \text{ kg} \cdot \text{m}^2)$

SureServo Motor



Motor Power Cable (1)



Motor Encoder Cable (1)



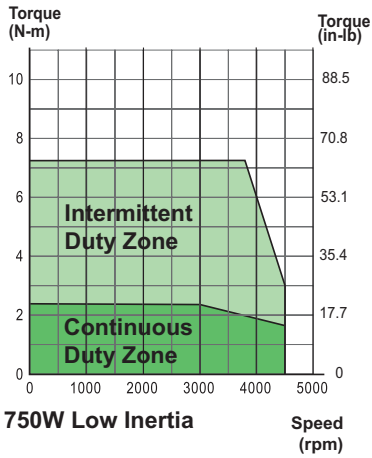
Z/PLink Kit for CN1



| |
|--------------------|
| PLC Overview |
| DL05/06 PLC |
| DL105 PLC |
| DL205 PLC |
| DL305 PLC |
| DL405 PLC |
| Field I/O |
| Software |
| C-more HMIs |
| Other HMI |
| AC Drives |
| Motors |
| Steppers/Servos |
| Motor Controls |
| Proximity Sensors |
| Photo Sensors |
| Limit Switches |
| Encoders |
| Pushbuttons/Lights |
| Process |
| Relays/Timers |
| Comm. |
| TB's & Wiring |
| Power |
| Enclosures |
| Appendix |
| Part Index |

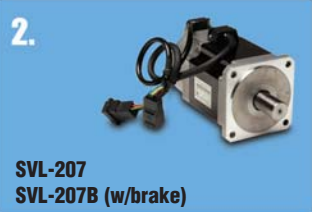
SureServo™ AC Servo System Configuration

750W Low Inertia System



$J_m = \text{Motor Inertia} = .00096 \text{ lb-in-s}^2 (0.000108 \text{ kg} \cdot \text{m}^2)$

SureServo Motor



Motor Power Cable (1)



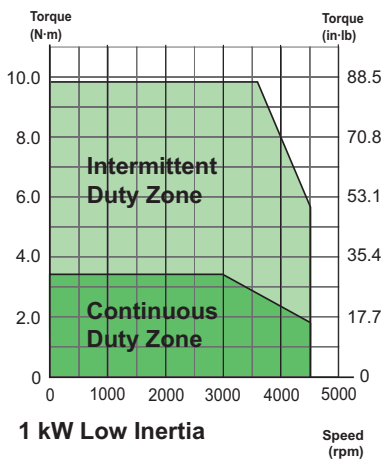
Motor Encoder Cable (1)



ZIPLink Kit for CN1

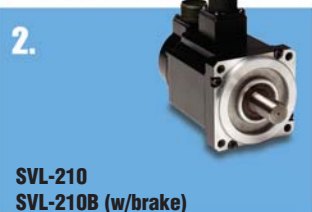


1 kW Low Inertia System



$J_m = \text{Motor Inertia} = .0023 \text{ lb-in-s}^2 (0.00026 \text{ kg} \cdot \text{m}^2)$

SureServo Motor



Motor Power Cable (1)



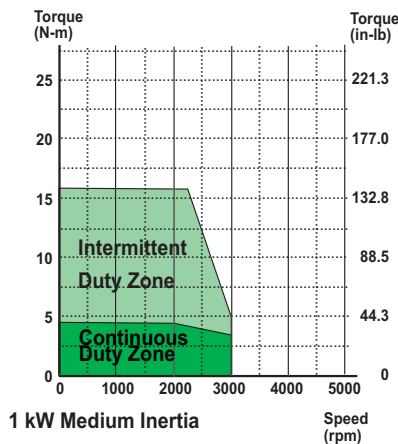
Motor Encoder Cable (1)



ZIPLink Kit for CN1



1 kW Medium Inertia System

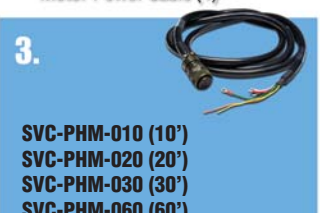


$J_m = \text{Motor Inertia} = .0053 \text{ lb-in-s}^2 (0.000598 \text{ kg} \cdot \text{m}^2)$

SureServo Motor



Motor Power Cable (1)



Motor Encoder Cable (1)

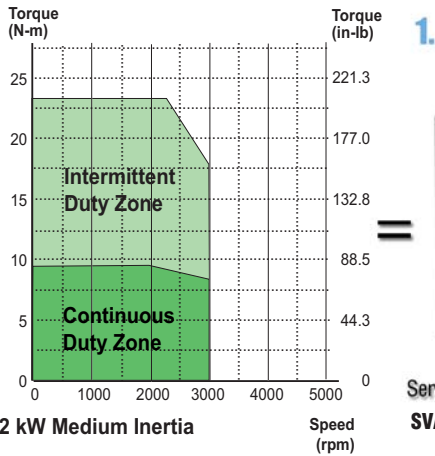


ZIPLink Kit for CN1



SureServo™ AC Servo System Configuration

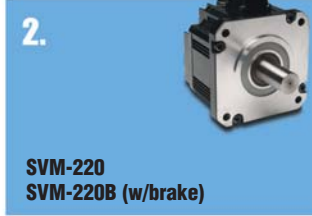
2 kW Medium Inertia System



$J_m = \text{Motor Inertia} = .014 \text{ lb-in-s}^2 = (0.00158 \text{ kg} \cdot \text{m}^2)$



SureServo Motor



Motor Power Cable (1)



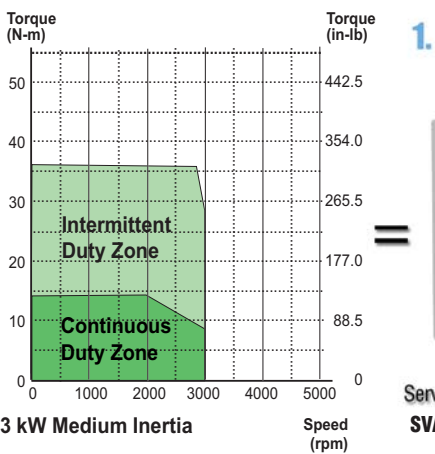
Motor Encoder Cable (1)



Z/PLink Kit for CN1



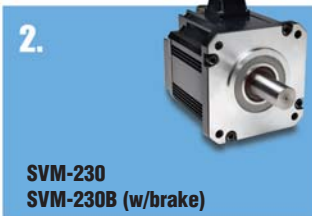
3 kW Medium Inertia System



$J_m = \text{Motor Inertia} = 0.038 \text{ lb-in-s}^2 = (0.00433 \text{ kg} \cdot \text{m}^2)$



SureServo Motor



Motor Power Cable (1)



Motor Encoder Cable (1)



Z/PLink Kit for CN1



NOTE: ALL MOTOR POWER CABLES INCLUDE BRAKE POWER WIRES FOR THE OPTIONAL MOTOR BRAKE.

| |
|------------------------|
| PLC Overview |
| DL05/06 PLC |
| DL105 PLC |
| DL205 PLC |
| DL305 PLC |
| DL405 PLC |
| Field I/O |
| Software |
| C-more HMIs |
| Other HMI |
| AC Drives |
| Motors |
| Steppers/Servos |
| Motor Controls |
| Proximity Sensors |
| Photo Sensors |
| Limit Switches |
| Encoders |
| Pushbuttons/Lights |
| Process |
| Relays/Timers |
| Comm. |
| TB's & Wiring |
| Power |
| Enclosures |
| Appendix |
| Part Index |