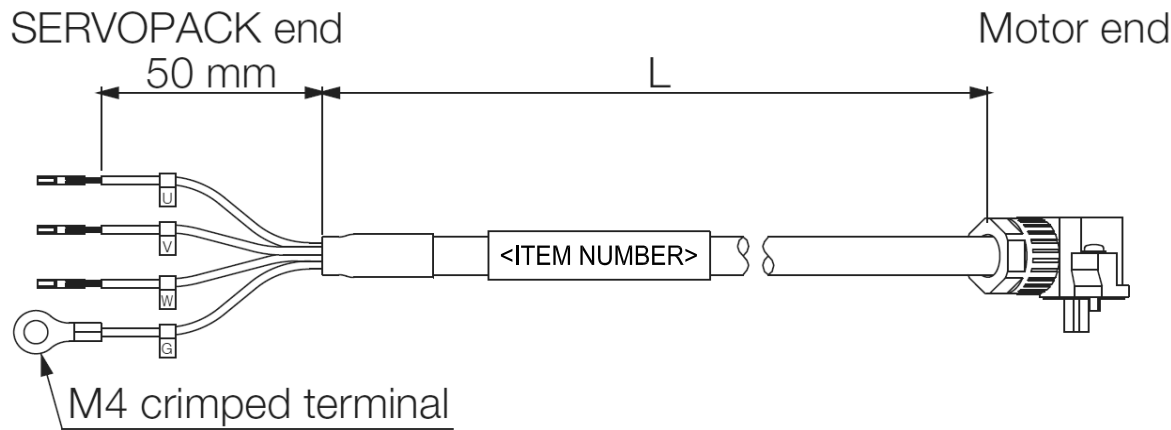


# EXTERNAL DIMENSIONS:

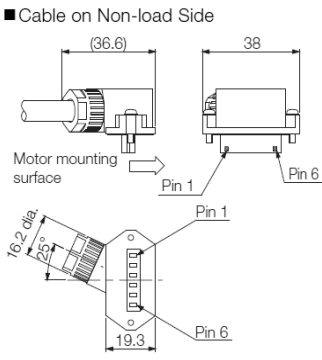


The recommended bend radius is 90mm or larger for moving parts of machines, such as robots.

The recommended bend radius is 20mm or larger for fixed installations.

## MOTOR END CONNECTOR

| Item                                | Description   |  |
|-------------------------------------|---|--|
| Order Number                        | JZSP-C7M9-3-E   |  |
| Manufacturer                        | J.S.T. Mfg. Co., Ltd.   |  |
| User Instructions                   | JFA Connector J-3700  |  |
| Components                          | Receptacle  | J37S-06FMH-8KL-M-CF  |
|                                     | Contacts  | Power terminals: SJ3F-41GF-P1.8<br>Holding brake terminals: SJ3F-01GF-P1.8       |
| Applicable Wire Sizes               | Power terminals: AWG16<br>Holding brake terminals: AWG20 to AWG24                 |  |
| Applicable Cable Diameter           | 8 mm ±0.3 mm  |  |
| Outer Diameter of Insulating Sheath | Power terminals: 1.53 mm to 2.5 mm<br>Holding brake terminals: 1.11 mm to 1.86 mm |  |
| Mounting Screws                     | M2.5 pan-head screws  |  |
| Crimping Tool*                      | Hand Tool   | Power terminals: YRF-880<br>Holding brake terminals: YRF-881                     |
|                                     | Applicator  | Power terminals: APLMK SJ3F/M41-20<br>Holding brake terminals: APLMK SJ3F/M01-20 |



\* A Crimping Tool is required. Contact the connector manufacturer for details.

## RAW CABLE

| Item                               | Flexible Cable   |
|------------------------------------|--|
| Order Number*                      | JZSP-CSM81-□□-E<br>(maximum length: 50 m)  |
| Specifications                     | UL2517 (rated temperature:105°C)<br>AWG16 × 4C, AWG22 × 2C   |
|                                    | Power lines: AWG16 (1.31 mm <sup>2</sup> )<br>Outer diameter of insulating sheath: 2.35 mm         |
|                                    | Holding brake lines: AWG22 (0.33 mm <sup>2</sup> )<br>Outer diameter of insulating sheath: 1.37 mm |
| Finished Diameter                  | 8 mm ±0.3 mm   |
| Internal Structure and Lead Colors |  |

\* Replace the boxes (□□) in the order number with the cable length (05, 10, 15, 20, 30, 40, or 50).

## WIRING SPECIFICATIONS

| SERVOPACK Leads |         | Servomotor Connector |     |
|-----------------|---------|----------------------|-----|
| Wire Color      | Signal  | Signal               | Pin |
| Green/yellow    | FG      | FG                   | 1   |
| Blue            | Phase W | Phase W              | 2   |
| White           | Phase V | Phase V              | 3   |
| Red             | Phase U | Phase U              | 4   |
|                 |         | -                    | 5   |
|                 |         | -                    | 6   |

| ITEM NUMBER      | L=Length |
|------------------|----------|
| JZSP-C7M32G-03-E | 3000     |
| JZSP-C7M32G-05-E | 5000     |
| JZSP-C7M32G-10-E | 10000    |
| JZSP-C7M32G-15-E | 15000    |
| JZSP-C7M32G-20-E | 20000    |
| JZSP-C7M32G-30-E | 30000    |
| JZSP-C7M32G-40-E | 40000    |
| JZSP-C7M32G-50-E | 50000    |

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# YASKAWA

TITLE:SGM7J-08, SGM7A-08 to -10. 750W to 1.0kW Servomotor Power Cable, No Brake, Away From Load, Flexible, Non-Shielded

ITEM #: JZSP-C7M32G-xx-E (xx = See Chart)

|      |          |        |
|------|----------|--------|
| SIZE | REVISION | PAGE   |
| -    | 0        | 1 of 1 |

DRAWING #: CAD-JZSP-C7M32G-xx-E

SCALE: NTS UNITS: mm SHEET: 1/1

| REV | DESCRIPTION     | DATE       | DRAWN BY     |
|-----|-----------------|------------|--------------|
| 0   | Initial Release | 12/20/2018 | E. SONDERMAN |