

Beckhoff — ZK Motor Cables

ZK7A26-3031-0200 **In-Stock, Ships Today**

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The **ZK7A26-3031-0200** is a preterminated motor supply and feedback cable manufactured by **Beckhoff** for the ZK Motor Cables series. Designed for distributed EtherCAT P drives, the hybrid cable carries power conductors and communication pairs in one sheath, allowing cabinet-mounted inverters to connect to remote servo motors without additional junctions or field terminations. Integrated signal shielding helps limit electromagnetic interference around nearby control wiring and sensitive machine components. Strain relief at both ends protects the internal conductors from mechanical stress where the cable meets each connector.

The assembly has a fixed length of **20.0 m**, providing a predetermined routing range for linear gantries and long transfer axes. Its copper conductors are rated for up to **630 V AC / 850 V DC**, allowing the cable to carry motor power and support auxiliary or brake circuits. A molded M23 plug has **4 EtherCAT P pins** that accommodate power contacts and bidirectional data lines within one connection. The circular coupling has an installation size of **B23**, which determines the compatible connector interface. When fully tightened, its gaskets and O-rings provide **IP65/IP67 protection** against dust and water exposure in industrial environments.

Differential signals travel over twisted pairs with a maximum conductor area of **0.34 mm²**, limiting attenuation while preserving the flexibility needed for routed machine installations. The connector uses **mechanical coding number 3**, which prevents it from mating with incompatible power-only or sensor-only connections. The cable belongs to the **ZK Motor Cables** platform and uses consistent shielding, conductor colors, and pin assignments for compatible Beckhoff equipment. Its combined power and communication layout reduces the number of separate

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cables required between the drive and motor. The selected insulation thickness, conductor stranding, and outer jacket material support the cable's stated electrical capacity and mechanical performance. Molded terminations also reduce the need to prepare individual conductors or assemble connectors in the field.

Specifications

Cable Core Dimensions:	3C+1E (3 core + 1 earth)	Cable Length:	20.0 m	Connector Type:	Yaskawa Servo Power Connector
Data Cross-section Max:	0.34 mm ² (AWG22)	Ethercat P Pins:	4	Flame Retardant:	UL VW-1
Installation Size:	B23	Insulation Material:	PVC	Maximum Current:	15A
Mechanical Coding:	3	Oil Resistance:	yes	Operating Temperature Range:	-20°C to 60°C
Outer Diameter:	10.8 mm	Protection Class:	IP65/IP67	Rated current:	3 A at 40 °C
Rated Voltage:	630 V AC / 850 V DC	Shielding:	Yes	Type:	Servo Motor Power Cable
UV Resistance:	yes	Weight:	Approx. 0.35 kg	Last Verified:	10/24/2026 10:01 AM

Contact Us

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