

Beckhoff — ZK Motor Cables

ZK7A26-3031-0060

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The **ZK7A26-3031-0060** is a factory-terminated motor cable manufactured by Beckhoff and supplied within the ZK Motor Cables series. It delivers drive power and EtherCAT communication between a servo amplifier and a remote motor, enabling synchronized position control in automated assembly lines, packaging stations, and handling axes. The cable's integrated shielding, molded connectors, and ingress protection allow direct routing through machine frames where oil mist, vibration, and electrical noise are present.

A total length of **6.00 m** allows the cable to span typical cabinet-to-axis distances without extension boxes. The fieldbus pairs have a conductor cross-section of **0.34 mm² (AWG22)**, providing adequate current capacity for the transceiver while keeping the bundle flexible during drag-chain operation. The connector reserves **4 pins** exclusively for EtherCAT signals, maintaining deterministic timing on full-duplex links. Compliance with **Cat.5** transmission standards ensures impedance control and crosstalk performance at frequencies up to 100 MHz. The power cores withstand line voltages up to **630 V AC / 850 V DC**, matching the output range of 400 V-class servo drives used on many production machines.

A **bayonet locking system** secures the mating halves quickly and resists loosening during continuous motion. The interface uses the **Key 3 coding pattern**, so only cables with the correct pin orientation can engage, helping prevent connection errors during installation or maintenance. Once coupled, the assembly provides **IP65 / IP67 protection**, blocking dust and resisting water exposure during machine operation and washdown procedures. Continuous **360° shielding** surrounds the conductors, establishing a low-impedance path to ground around the full

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circumference and attenuating electromagnetic interference that could disrupt high-speed fieldbus communication. The molded connector bodies provide strain relief where the cable enters each interface, reducing localized stress as the assembly bends or moves with the connected axis.

Specifications

Cable Length:	6.00 m	Cooling Method:	Natural Cooling	Data Cross-section:	0.34 mm ² (AWG22)
Encoder Type:	Incremental, 2500 ppr	Ethercat Pins:	4	Ethernet Category:	Cat.5
Frame Size:	180 mm	Locking Type:	Bayonet	Mechanical Coding:	Key 3
Peak Torque:	19.1 Nm	Protection Class:	IP65 / IP67	Rated Current:	16.5 A
Rated Power:	3000 W	Rated Speed:	3000 rpm	Rated Torque:	9.55 Nm
Rated Voltage:	630 V AC / 850 V DC	Shaft Diameter:	32 mm	Shielding:	360°
Type:	Servo Motor	Weight:	15 kg	Last Verified:	10/26/2026 1:58 AM

Contact Us

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Payment Methods



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