

NexBot Drives NET522-006 Fieldbus Cable

NexBot
Robotics

SKU: NXB-CBL-NET522-006 | Category: Cables & Connectors > Signal Cables > Fieldbus Cables

Overview

The NexBot Drives NET522-006 is a high-performance, 6-meter fieldbus cable engineered for reliable communication between robot controllers and peripheral devices in demanding industrial environments. Designed for continuous motion, this cable features a high-flexibility construction rated for millions of bend cycles, ensuring uninterrupted data flow in applications involving articulated robot arms and other moving machinery. This minimizes downtime caused by cable fatigue and failure, which is critical in high-throughput production lines. Its rugged Polyurethane (PUR) jacket provides excellent resistance to abrasion, oils, and industrial chemicals, safeguarding the internal conductors and extending the cable's service life on the factory floor. A double-shielded design, combining a foil wrap with a tinned copper braid, delivers superior electromagnetic interference (EMI) immunity. This is essential for maintaining signal integrity in environments with high electrical noise from motors, drives, and welding equipment, preventing data corruption and operational errors. The 6-meter length offers versatile routing options for connecting system components within a typical robotic cell. With an IP67 rating when properly terminated, the cable assembly is protected against dust and temporary water immersion, making it suitable for harsh conditions. This fieldbus cable is ideal for connecting sensors, actuators, and I/O modules to the main robot controller in applications such as automated assembly, material handling, welding, and packaging. Simple installation and robust construction make it a reliable component for any integrated NexBot Robotics system.

Technical Specifications

Parameter	Value	Unit
Weight	0.65	kg
Material	Polyurethane (PUR)	
Voltage	24VDC	
IP Rating	IP67	
Country of Origin	KR	
Protocol	EtherCAT	
Dimensions	6 m length	

Safety Notice: This product must be installed and operated by qualified personnel in accordance with applicable safety standards (ISO 10218, IEC 61508).