

Multi-Conductor Control Cable for Industrial Use

This control cable is designed for use in tool machines, conveyor belts, and production lines, and is suitable for greasy and wet environments with electrical interference. It can be used in fixed applications or non-sustained shuttle bending movement, as well as for outdoor installation.



Product Overview

Industrial Multi-Conductor Control Cable

This multi-conductor control cable is engineered for demanding industrial environments requiring robust electrical performance. It features fine-stranded bare copper conductors and a durable PUR outer jacket, ensuring excellent resistance to oil, abrasion, and hydrolysis. Designed for both fixed and flexible applications, this cable provides reliable signal integrity with superior protection against external electromagnetic interference.

Electrical Specifications

Rated Voltage

300 V

Min Rated Voltage

500 V

Max Rated Voltage

Test Voltage

4000 V

Insulation Resistance (at 20°C)

e20M@m

Mechanical Performance

Temperature Range

Application	Range
Fixed Application	-40°C to 80°C
Occasional Movement	-5°C to 70°C

Minimum Bending Radius

- Fixed Application: 6D (D=cable diameter)
- Occasional Movement: 20D (D=cable diameter)

Construction & Materials

Conductor Specifications	Fine stranded bare copper, according to IEC 60228/VDE 0295 class 5
Insulation Material	PVC
Shielding	Tinned copper braiding
Outer Jacket Material	PUR (Grey, similar to RAL 7001)

Features

Key Features

Flame Resistant (IEC60332-1), Oil Resistant, Abrasion Resistant, Anti-hydrolysis, EMI Shielded