

Multi-Conductor Control Cable for Industrial Applications

This control cable is suitable for fixed applications or non-sustained shuttle bending movement, and can also be used outdoors. It can be used as control cables in tool machines, conveyor belts, production lines of machinery production, air-conditioning systems and wood working machines, adapting to greasy and wet environment.



Product Overview

Industrial Multi-Conductor Control Cable

This high-performance multi-conductor control cable is engineered for demanding industrial environments requiring superior durability and flexibility. Featuring a robust PUR jacket and tinned copper shielding, it provides excellent resistance to oil, abrasion, and hydrolysis while maintaining a compact outer diameter. Designed for both fixed and occasional movement applications, it ensures reliable signal integrity and EMI protection in complex machinery and automation systems.

Electrical Specifications

Rated Voltage

300 V

Lower Limit

500 V

Upper Limit

Test Voltage

Application	Voltage
Core/Core	4000V
Core/Shield	2000V

Insulation Resistance

20 M Ω m

Technical Parameters

Temperature Range

Application Type	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)

Cable Construction

Material Composition

Component	Material/Description
Conductor	Fine stranded bare copper (IEC 60228/VDE 0299 class 5)
Insulation	PVC
Shield	Tinned copper braiding
Jacket	PUR (Grey, RAL 7001)

Core Identification

Black cores with white numbering, green-yellow conductor (DIN VDE 0293)

Features

Product Features

Flame Resistant • Oil Resistant • Abrasion Resistant • Anti-Hydrolysis • EMI Protected • Flexible

Standards Compliance

IEC 60332-1, IEC 60228, VDE 0299, DIN VDE 0293