

XLPO Insulated Control Cable

This control cable is suitable for installation in high-temperature environments with limited flexibility. It can be used as a control cable in tool machines, engines, transformers and production lines.



Product Overview

High-Performance XLPO Insulated Control Cable

This XLPO insulated control cable is engineered for demanding industrial and communication applications requiring superior thermal stability. Featuring a fine-stranded bare copper conductor and robust cross-linked polyethylene insulation, it delivers exceptional heat resistance and reliable signal transmission. Designed with a flexible construction and a small bending radius, this cable is ideal for both fixed installations and environments subject to occasional movement.

Electrical Specifications

Rated Voltage

300 V

Lower Limit

500 V

Upper Limit

Test Voltage

2500 V

Insulation Resistance (at 20°C)

e20M@m

Mechanical Properties

Minimum Bending Radius

Application Type	Radius
Fixed Application	4D (D=Diameter)
Occasional Movement	15D (D=Diameter)

Operating Temperature Range

-20°C to 105°C

Construction

Conductor Specifications

Fine stranded bare copper, IEC 60228/VDE 0295 class 5

Insulation Material

XLPO (Cross-linked Polyethylene)

Jacket Color

Black (RAL 9005)

Standards & Compliance

Flame Resistance Standard

IEC 60332-1

Core Identification Standard

DIN VDE 0293 (Black core with white numerical print)