

# 300/500V LSOH Control Cable

300/500V LSOH control cable is designed for applications requiring minimal smoke and zero halogen emissions in the event of a fire. It is suitable for use in control systems, instrumentation, and other low-voltage applications where fire safety is a priority.



## ADDITIONAL IMAGES



## Product Overview

### High-Performance LSOH Control Cable

This 300/500V LSOH (Low Smoke Halogen Free) control cable is engineered for safety and reliability in critical installations. Featuring a tinned copper braided shield, it provides excellent protection against electromagnetic interference (EMI) while remaining flexible for tight installations. Designed for dry, damp, and wet conditions, this cable is ideal for machine tools, CNC centers, and control systems where fire safety and signal integrity are paramount.

## Technical Specifications

### Nominal Voltage

**300 V**  
U<sub>0</sub>

**500 V**  
U

### Testing Voltage

3000 V

## Construction Details

### Jacket Color

Gray

### Conductor Material

Bare copper strands

### Insulation Material

Halogen-Free Thermoplastic

### Shielding

Tinned copper braiding

### Color Code

Black conductors with consecutive numbers; green-yellow earth wire from 3 conductors

## Performance & Safety

### Minimum Bending Radius

Installation Type	Radius
Fixed Installation	7.5 x O.D.
Free Movement	6 x O.D.

### Temperature Range

- Static: -40 to +85 °C
- Flexing: -30 to +85 °C

### Fire Safety Features

Low Smoke, Halogen Free, Flame Retardant, Self-extinguishing, No flame propagation

## Applications

### Recommended Applications

- Machine tools
- Assembly lines
- Control systems
- Data processing equipment
- CNC machining centers
- Grinding machines
- Bottling equipment