



# CONTROL CABLE

YY cable plays a pivotal role in the processing and production industries, facilitating the transmission of large volumes of information across multiple areas within a system. Primarily utilised in assembly lines, YY control flexes effectively measure, control, and regulate computer units under light mechanical and environmental stresses. YY cable offers enhanced flexibility, rendering it ideal for internal and dry environments. Our Securi-Flex® YY range is encased in an LSZH (Low Smoke Zero Halogen) sheath and Euro Class rated to CCA.

1. LSZH sheath
2. LSZH insulation
3. Fine stranded copper conductor - Class 5



## FLEXIBILITY

YY cables are designed to be highly flexible, making them ideal for installations where the cable needs to move, bend, or be routed through tight spaces. This flexibility aids in quick and easy installation.



## LIGHTWEIGHT

Since YY cables don't have any additional shielding or insulation layers, they tend to be lighter, which makes them easier to handle and install, especially in applications with less demanding environmental conditions.



## COST EFFECTIVE

Being unshielded, YY cables are generally more affordable compared to their shielded counterparts. This makes them a good choice for applications where external interference is minimal, such as within a controlled, low-interference environment.

## Why Choose Our Control Cables?



Next Day Delivery



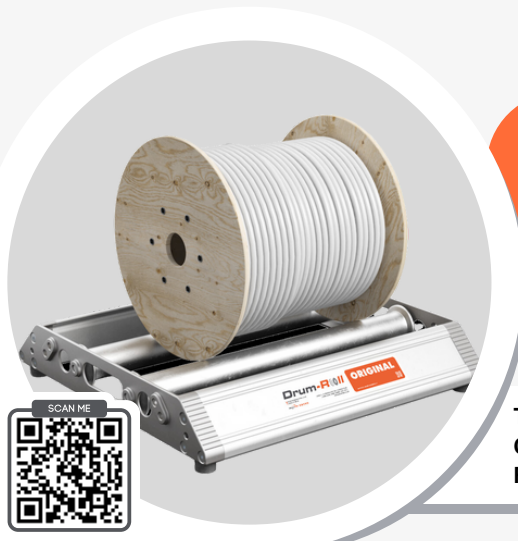
Cut Lengths



Large Stock Holding



Competitive Warranties



TO HANDLE THIS CABLE SAFELY,  
CHECK OUT OUR DRUM-ROLL  
RANGE!

FOR MORE  
INFORMATION SCAN THE  
QR CODE FOR OUR  
CABLES AND WIRING  
BROCHURE OR CHECK  
OUT THE WEBSITE!

SCAN ME





# CONTROL CABLE

## INDUSTRIES

### Can be used in:

**Manufacturing and Automation:** In industrial automation systems, YY cables are often used to connect controllers, sensors, and machinery due to their flexibility and ease of installation.

**Building and Construction:** YY cables can be used for control circuits in building systems, such as lighting control, HVAC systems, or fire alarm systems.

**Commercial Kitchens and Retail:** They are used in systems that control commercial cooking equipment, lighting, or other appliances where environmental conditions are relatively controlled.

**Power Distribution and Substations:** For non-critical power distribution or control within substations where electromagnetic interference is not a significant concern.

**Transport and Logistics:** YY cables can be used in conveyor systems or other equipment in warehouses and logistics centres.

**Data Centres:** For internal connections between systems in controlled environments where EMI is minimal.



## ECOSYSTEM

### Can be used with:

**CY Cables:** These are shielded cables with additional protection against EMI. They can be used alongside YY cables when there is a need for both unshielded flexibility and areas requiring additional protection against interference.

**SY Cables:** Like CY cables, SY cables offer shielding but also have steel wire braiding for enhanced mechanical protection. They are often used in more rugged applications, alongside YY cables in areas that require flexibility and also higher mechanical protection.

**H05/H07 Cables:** These power cables can work alongside YY control cables in applications where power transmission and control functions are needed in the same setup, especially in home or light industrial applications.

**Ethernet Cables (e.g., Cat5, Cat6):** In industrial or commercial setups where both control signals and data signals need to be transmitted, YY cables can be run alongside Ethernet cables for data networking.

**YYY-J Cables:** These power cables, designed for fixed installations, can work alongside YY cables in industrial applications where power is distributed and control signals are routed separately.

**Flexible Power Cables (e.g., H07RN-F):** These flexible power cables can be used alongside YY cables in dynamic systems where both power and control functions are required, such as in temporary installations or machinery that require flexible wiring.

For more information on any of the Securi-Flex® ranges please contact your dedicated Account Manager or alternatively download our digital catalogues below.





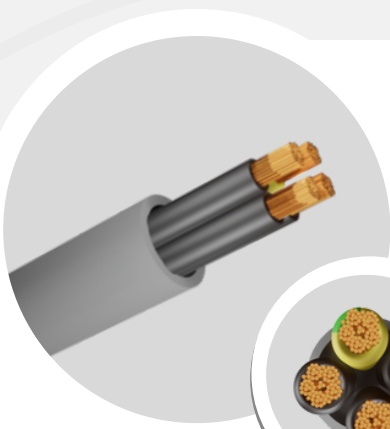
## CONTROL CABLE (NUMBERED CORES)

| DESCRIPTION                          | EURO CLASS | SHEATH | PART CODE           |
|--------------------------------------|------------|--------|---------------------|
| YY Control Flex Cables 2 Core 0.75mm | Cca        | LSZH   | SFX/YY-2C-0.75-LSZH |
| YY Control Flex Cables 2 Core 1.0mm  | Cca        | LSZH   | SFX/YY-2C-1.0-LSZH  |
| YY Control Flex Cables 2 Core 1.5mm  | Cca        | LSZH   | SFX/YY-2C-1.5-LSZH  |
| YY Control Flex Cables 2 Core 2.5mm  | Cca        | LSZH   | SFX/YY-2C-2.5-LSZH  |
| YY Control Flex Cables 3 Core 0.75mm | Cca        | LSZH   | SFX/YY-3C-0.75-LSZH |
| YY Control Flex Cables 3 Core 1.0mm  | Cca        | LSZH   | SFX/YY-3C-1.0-LSZH  |
| YY Control Flex Cables 3 Core 1.5mm  | Cca        | LSZH   | SFX/YY-3C-1.5-LSZH  |
| YY Control Flex Cables 3 Core 2.5mm  | Cca        | LSZH   | SFX/YY-3C-2.5-LSZH  |
| YY Control Flex Cables 3 Core 4.0mm  | Cca        | LSZH   | SFX/YY-3C-4.0-LSZH  |
| YY Control Flex Cables 4 Core 0.75mm | Cca        | LSZH   | SFX/YY-4C-0.75-LSZH |
| YY Control Flex Cables 4 Core 1.0mm  | Cca        | LSZH   | SFX/YY-4C-1.0-LSZH  |
| YY Control Flex Cables 4 Core 1.5mm  | Cca        | LSZH   | SFX/YY-4C-1.5-LSZH  |
| YY Control Flex Cables 4 Core 2.5mm  | Cca        | LSZH   | SFX/YY-4C-2.5-LSZH  |
| YY Control Flex Cables 4 Core 4.0mm  | Cca        | LSZH   | SFX/YY-4C-4.0-LSZH  |



## CONTROL CABLE - NUMBERED CORES

| DESCRIPTION                           | EURO CLASS | SHEATH | PART CODE            |
|---------------------------------------|------------|--------|----------------------|
| YY Control Flex Cables 5 Core 0.75mm  | Cca        | LSZH   | SFX/YY-5C-0.75-LSZH  |
| YY Control Flex Cables 5 Core 1.0mm   | Cca        | LSZH   | SFX/YY-5C-1.0-LSZH   |
| YY Control Flex Cables 5 Core 1.5mm   | Cca        | LSZH   | SFX/YY-5C-1.5-LSZH   |
| YY Control Flex Cables 5 Core 2.5mm   | Cca        | LSZH   | SFX/YY-5C-2.5-LSZH   |
| YY Control Flex Cables 5 Core 4.0mm   | Cca        | LSZH   | SFX/YY-5C-4.0-LSZH   |
| YY Control Flex Cables 7 Core 0.75mm  | Cca        | LSZH   | SFX/YY-7C-0.75-LSZH  |
| YY Control Flex Cables 7 Core 1.0mm   | Cca        | LSZH   | SFX/YY-7C-1.0-LSZH   |
| YY Control Flex Cables 7 Core 1.5mm   | Cca        | LSZH   | SFX/YY-7C-1.5-LSZH   |
| YY Control Flex Cables 7 Core 2.5mm   | Cca        | LSZH   | SFX/YY-7C-2.5-LSZH   |
| YY Control Flex Cables 12 Core 0.75mm | Cca        | LSZH   | SFX/YY-12C-0.75-LSZH |
| YY Control Flex Cables 12 Core 1.0mm  | Cca        | LSZH   | SFX/YY-12C-1.0-LSZH  |
| YY Control Flex Cables 12 Core 1.5mm  | Cca        | LSZH   | SFX/YY-12C-1.5-LSZH  |

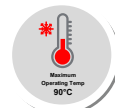


### Construction

**Conductor material:** Class 5 Fine Stranded Copper  
**Conductor stranding:** See Specification  
**Insulation:** LSZH  
**Screen:** Unscreened  
**Outer Sheath or Jacket:** LSZH  
**Sheath Colour:** Grey RAL 7001  
**Rated Voltage:** 300V /500V

### Core Identification

Black Numbered Cores





## CONTROL CABLE - COLOURED CORES

| DESCRIPTION                          | EURO CLASS | SHEATH | PART CODE                   |
|--------------------------------------|------------|--------|-----------------------------|
| YY Control Flex Cables 4 Core 0.5mm  | Cca        | LSZH   | SFX/YY-4C-0.5-LSZH-GRY-COL  |
| YY Control Flex Cables 4 Core 0.75mm | Cca        | LSZH   | SFX/YY-4C-0.75-LSZH-GRY-COL |

 Available Colours

1m | 100m | 200m | 1000m Available Lengths

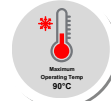


### Construction

**Conductor material:** Class 5 Fine Stranded Copper  
**Conductor stranding:** See Specification  
**Insulation:** LSZH  
**Screen:** Unscreened  
**Outer Sheath or Jacket:** LSZH  
**Sheath Colour:** Grey RAL 7001  
**Rated Voltage:** 300V /500V

### Core Identification

Coloured Cores     



NEED TO UPGRADE YOUR KIT? CHECK  
OUT OUR RANGE OF

