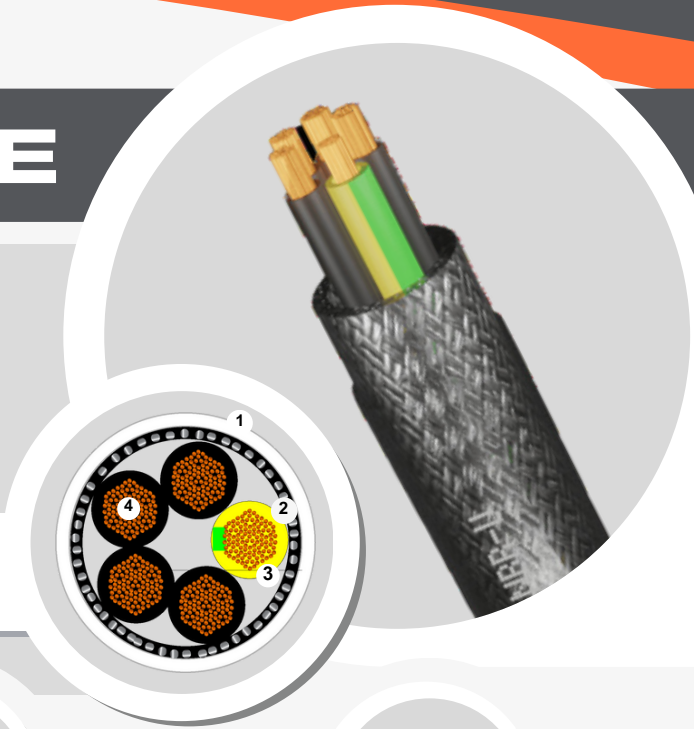


SY

CONTROL CABLE

SY cable, also known as armoured flexible control cable, is essential in industrial settings requiring flexibility and durability. Designed to withstand mechanical stress, it connects various control and mechanical applications. Our SY control flex features copper conductors, a galvanized steel wire braid for protection, and a transparent PVC sheath.

1. Clear PVC sheath
2. Galvanised steel wire braiding
3. PVC insulation
4. Fine stranded copper conductor



ENHANCED MECHANICAL PROTECTION

SY cables feature a steel wire braid, which provides extra protection against mechanical stress, abrasions, and external impacts. They are also braid armoured so they retain good flexibility. This makes them suitable for rugged applications where cables may be exposed to physical damage.



RELIABLE SIGNAL TRANSMISSION

Designed for control and interconnection of electrical equipment, SY cables provide stable and interference-resistant signal transmission, making them ideal for use in industrial automation, machine tools, and control systems.



DURABILITY

The added shielding and a robust outer PVC jacket make SY cables more resistant to mechanical wear and environmental factors like moisture and dust, improving their longevity and reliability in industrial environments.

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!



SY



CONTROL CABLE

INDUSTRIES

Can be used in:

Manufacturing: In manufacturing environments with heavy machinery, SY control cables provide essential mechanical protection against abrasion, crushing, and impact. Their flexible steel wire armour ensures reliable operation of control circuits in demanding conditions.

Oil and Gas: SY cables are well-suited for oil and gas operations, including offshore platforms, where robust armouring is crucial for protection against physical damage in harsh and hazardous environments.

Mining: In the extreme conditions of mining, SY cables offer excellent mechanical durability. Their steel wire braid safeguards the cable core from crushing and rough handling, ensuring consistent performance of control systems.

Construction: On construction sites, SY cables withstand mechanical vibrations, knocks, and abrasion from equipment and foot traffic. The armoured design ensures the cable remains intact and functional throughout the project.

Renewable Energy: In solar and wind installations, SY cables provide mechanical strength for control wiring in exposed and variable environments, protecting against physical stress while maintaining flexibility for routing and installation.



ECOSYSTEM

Can be used with:

CY Cables: CY cables offer similar shielding for EMI protection but without the steel wire braid for mechanical protection. SY cables can work alongside CY cables in applications where enhanced mechanical protection is needed, alongside EMI shielding.

YY Cables: Since YY cables are unshielded and cost-effective, they can be used alongside SY cables when there is a need to combine basic control wiring (YY) with cables that provide extra mechanical protection and EMI shielding (SY).

NYJ-J Cables: SY cables can be used alongside NYJ-J cables in fixed installations where power (via NYJ-J) and control signals (via SY) are routed separately. The SY cables will provide the necessary protection for control circuits in areas with high electrical interference.

Ethernet Cables (e.g., Cat5, Cat6): In applications where both control signals and data need to be transmitted together, SY cables can be used alongside Ethernet cables. The SY cables will protect control signals from EMI, while Ethernet cables handle data communication.

H05/H07 Cables: SY cables can be used with power cables like H05 or H07 in systems where both power and control signals are required. The SY cables provide EMI shielding and durability for the control side, while H05/H07 cables manage the power transmission.

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



SY

CONTROL CABLE

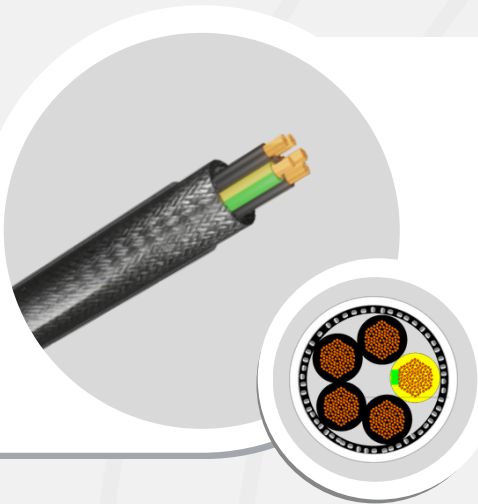
DESCRIPTION	EURO CLASS	SHEATH	PART CODE
SY Control Flex Cables 3 Core 1.5mm	Eca	PVC	SFX/SY-3C-1.5-PVC
SY Control Flex Cables 3 Core 2.5mm	Eca	PVC	SFX/SY-3C-2.5-PVC
SY Control Flex Cables 3 Core 4.0mm	Eca	PVC	SFX/SY-3C-4.0-PVC
SY Control Flex Cables 3 Core 6.0mm	Eca	PVC	SFX/SY-3C-6.0-PVC
SY Control Flex Cables 4 Core 1.5mm	Eca	PVC	SFX/SY-4C-1.5-PVC
SY Control Flex Cables 4 Core 2.5mm	Eca	PVC	SFX/SY-4C-2.5-PVC
SY Control Flex Cables 5 Core 2.5mm	Eca	PVC	SFX/SY-5C-2.5-PVC
SY Control Flex Cables 5 Core 4.0mm	Eca	PVC	SFX/SY-5C-4.0-PVC
SY Control Flex Cables 5 Core 6.0mm	Eca	PVC	SFX/SY-5C-6.0-PVC
SY Control Flex Cables 7 Core 1.5mm	Eca	PVC	SFX/SY-7C-1.5-PVC



Available Colours

1m | 500m

Available Lengths



Construction

Conductor: Class 5 flexible plain copper
Insulation: EN 50363-3 PVC Compound, EN50363-4.1
Braid: Galvanized Steel Wire Braid
Outer Sheath or Jacket: PVC
Sheath Colour: Clear (Transparent)
Rated Voltage: 300V /500V

Core Identification

Black Numbered Cores + Earth



NEED TO UPGRADE YOUR KIT? CHECK
 OUT OUR RANGE OF **JONARD TOOLS**

