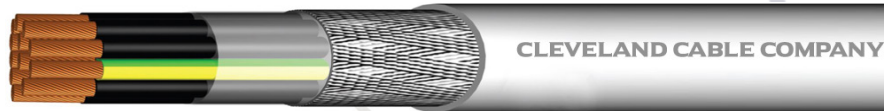
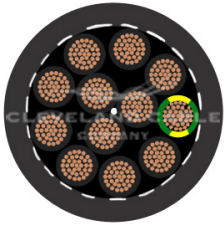


## TYPE CY CONTROL CABLES LSZH



### APPLICATION

Low smoke zero halogen CY flexible control cable is used in installations where a screen is required to prevent interference on data and signal transmissions. The flexible cable is also used on measuring as well as checking and control equipment in areas where there is risk to life from fire, smoke emissions and toxic fumes.

### CABLE STANDARDS

Generally to BS EN 50525-3-11  
VDE 0250

CY, SY and YY Cables are thoroughly tested under BSI kitemark KM712695 in our accredited lab prior to delivery.

The lab is audited by BSI as an independent 3rd party to verify that the testing procedures and the cable meet the standards and are fit for purpose

### CONSTRUCTION

**Conductor:** Plain Annealed Flexible Copper

**Insulation:** Low Smoke Zero Halogen (LSZH)

**Screen:** Tinned Copper Wire Braiding

**Sheath:** Low Smoke Zero Halogen (LSZH)

**Sheath Colour:**  Grey

### CHARACTERISTICS

**Voltage Rating:** 300/500 Volts

**Temperature Limits:**

Flexing: -5°C to +70°C

Static: -20°C to +70°C

**Minimum Bending Radius:** As per cable manufacturer datasheet

### CORE IDENTIFICATION

**3 core and above:**  Black with  white numbers plus  Green/Yellow

Also available with coloured cores as follows:

**3 Core:**  Blue  Brown  Green/Yellow

**4 Core:**  Brown  Black  Grey

Green/Yellow

Should not be installed at temperatures below -5°C

## TYPE CY CONTROL CABLES LSZH - DIMENSIONS

CCC CODE	CONDUCTOR SIZE	STRANDING (MM)	NO. OF CORES	WEIGHT (KG/KM)	OUTSIDE DIAMETER (MM)	GLAND SIZE (MM)
CY2X/75LSF	0.75	24/0.20	2	43	5.50	20/16
CY3X/75LSF	0.75	24/0.20	3	52	5.80	20/16
CY4X/75LSF	0.75	24/0.20	4	68	6.50	20/16
CY5X/75LSF	0.75	24/0.20	5	80	7.10	20/16
CY7X/75LSF	0.75	24/0.2	7	103	7.60	20/16
CY2X1/5LSF	1.5	30/0.25	2	61	6.50	20/16
CY3X1/5LSF	1.5	30/0.25	3	78	6.90	20/16
CY4X1/5LSF	1.5	30/0.25	4	104	7.70	20/16
CY5X1/5LSF	1.5	30/0.25	5	128	8.60	20/16
CY12X1/5LSF	1.5	30/0.25	12	281	12.70	25
CY18X1/5LSF	1.5	30/0.25	18	396	14.70	25
CY25X1/5LSF	1.5	30/0.25	25	534	17.49	25
CY34X1/5LSF	1.5	30/0.25	34	720	19.89	32
CY2X2/5LSF	2.5	50/0.25	2	102	8.00	20/16
CY3X2/5LSF	2.5	50/0.25	3	117	8.40	20/16
CY4X2/5LSF	2.5	50/0.25	4	168	9.19	20S
CY4X4LSF	4	56/0.25	4	239	11.80	20S
CY4X6LSF	6	84/0.30	4	327	12.90	20S
CY5X6LSF	6	84/0.30	5	543	16.70	25
CY4X10LSF	10	80/0.40	4	553	17.20	25
CY4X16LSF	16	126/0.40	4	846	21.00	32

## TYPE CY CONTROL CABLES LSZH – CONDUCTOR RESISTANCE

NOMINAL CROSS SECTIONAL AREA (MM <sup>2</sup> )	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR MM	MAXIMUM RESISTANCE CONDUCTOR AT 20°C
		PLAIN WIRES OHMS/KM
0.5	9	39
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	26	7.98
4	34	4.95
6	44	3.3
10	61	1.91
16	82	1.21

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

## CY CONTROL CABLE – CURRENT CAPACITY

NOMINAL CROSS SECTIONAL AREA (MM <sup>2</sup> )	CURRENT CARRY CAPACITY AT 30°C IN AIR AMPS	CURRENT CARRY CAPACITY AT 30°C IN AIR AMPS
0.75	16	9
1	20	12
1.5	24	15
2.5	32	18
4	42	26
6	54	34
10	73	44
16	98	61

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

## CY CONTROL CABLE – VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA (MM <sup>2</sup> )	TWO CORE CABLE DC MV/A/M	SINGLE PHASE TWO CORE CABLE AC MV/A/M	THREE PHASE 3 OR 4 CORE CABLE AC MV/A/M
1	44	44	38
1.5	29	29	25
2.5	18	18	15
4	11	11	9.5
6	7.3	7.3	6.4
10	4.4	4.4	3.8
16	2.8	2.8	2.4

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.