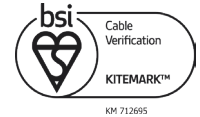
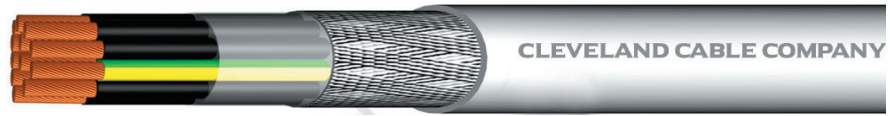


TYPE CY CONTROL CABLES LSZH



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.

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

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

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

2 Core: **Black** with **White** numbers
3 core and above: **Black** with **White** numbers plus **G/Y**

Also available with coloured cores as follows:

2 Core: **Brown** **Blue**
3 Core: **Brown** **Blue** **Green / Yellow**
4 Core: **Brown** **Black** **Grey** **Green / Yellow**
5 Core: **Brown** **Blue** **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	229	11.80	20S
CY3X6LSF	6	84/0.30	3	240	11.50	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

CY CONTROL CABLES – CURRENT CAPACITY & CONDUCTOR RESISTANCE

NOMINAL CROSS SECTIONAL AREA (MM ²)	CURRENT CARRY CAPACITY AT 30°C IN AIR AMPS	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

CY CONTROL CABLE – VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA (MM ²)	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.