



• Application

Low smoke zero halogen (LSZH) CY flexible control cables are used in installations where a screen is required to prevent interference on data and signal transmissions. These cables are suitable for use in measuring, checking, and control equipment, particularly in areas where there is a risk to life from fire, smoke emissions, and toxic fumes.

• Performance

Voltage Rating: 300/500 Volts

Temperature Limits:

Flexing: -5°C to +70°C

Static: -20°C to +70°C

Minimum Bending Radius: As per manufacturer's datasheet

Installation Temperature: Should not be installed at temperatures below -5°C

• 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

Core Identification

2 Core: Black with White numbers

3 Core and above: Black with White numbers plus Green/Yellow

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

• Specification

-Generally to BS EN 50525-3-11

-VDE 0250

• Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

• Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



• National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

CCC CODE	Nominal Cross Section Area	Dimensions				
		Stranding	No. Of Cores	Weight	Outside Diameter	Gland Size
-	mm ²	mm	-	kg/km	mm	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

Current Capacity & Conductor Resistance		
Nominal Cross Section Area	Current Carry Capacity at 300°C in Air	Maximum Resistance Conductor At 200°C
		Plain Wires
mm ²	A	Ω/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

● Technical Parameters

Nominal Cross Section Area	Voltage Drop		
	Two Core Cable D.C.	Single Phase Two Core Cable A.C.	Three Phase 3 Or 4 Core Cable A.C.
mm ²	mV/A/m	mV/A/m	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.