

2 Controlflex® “CY-LSF” Type

3 Low Smoke Zero Halogen Screened Flexible Cable 300/500 V 80°C



4 Application

5 These flexible cables are designed for industrial control and instrumentation circuits and interconnections between mobile and fixed equipment. Incorporates a collective tinned copper wire braid screen for electrical protection. Cables are not recommended for applications where cable is likely to be subjected to repetitive flexing and/or twisting e.g. robotics, reeling drum, cranes etc. Especially for use in areas where fire would create dense smoke and toxic fumes causing a major threat to life and equipment.

6 Specifications

- 7 • Generally in accordance with BS6500 and VDE0250
- 8 • **Conductors:** Flexible (Class 5) plain copper conductors to BS EN 60228
- 9 • **Insulation:** Zero halogen insulation
- 10 • **Core Identification:** Cores will be number printed, in a contrasting colour, on black low smoke zero halogen insulation. All cables of three core and above will incorporate a green/yellow earthcore in the outer layer
- 11 • **Binder Tape:** p.e.t.p. tape
- 12 • Tinned copper wire braid (minimum 70% coverage)
- 13 • Grey LSF outer sheath Type LTS3 to BS7655 section 6.1. RAL 7000
- 14 • Flame retardant to BS EN 60332-1-2
- 15 • Meets IEC61034 3m cube smoke emission test
- 16 • **Voltage Rating:** 300/500 V
- 17 • **Temperature Rating:** 80°C maximum conductor operating temperature

18 Add suffix -KL to part number for cables up to 3 core having coloured cores, or -HKL for 4 and 5 core cables as follows:
19 e.g. A4LN-C003-KL or A4LN-C005-HKL.

20 2 core - blue, brown.

3 core - green/yellow, blue, brown.

4 core - green/yellow, brown, black, grey.

5 core - green/yellow, brown, black, grey, blue.

For further technical information refer to the end of the section.

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Anixter Number	Number of Cores	Nominal Conductor Size	Nominal Number and Size of Wires	Nominal O/D	Approx Cable Weight
		mm ²	#/mm	mm	kg/km
A4LK-C002	2	0.5	16/0.20	5.4	45
A4LK-C003	3	0.5	16/0.20	5.8	53
A4LK-C004	4	0.5	16/0.20	6.3	63
A4LK-C005	5	0.5	16/0.20	6.7	76
A4LL-C002	2	0.75	24/0.20	5.8	50
A4LL-C003	3	0.75	24/0.20	6.1	62
A4LL-C004	4	0.75	24/0.20	6.7	76
A4LL-C005	5	0.75	24/0.20	7.3	93
A4LL-C007	7	0.75	24/0.20	7.9	114
A4LL-C010	10	0.75	24/0.20	10.2	172
A4LL-C012	12	0.75	24/0.20	10.2	183
A4LL-C018	18	0.75	24/0.20	11.9	262
A4LL-C025	25	0.75	24/0.20	14.3	354
A4LM-C002	2	1.0	32/0.2	6.2	58
A4LM-C003	3	1.0	32/0.20	6.5	73
A4LM-C004	4	1.0	32/0.20	7.1	90
A4LM-C005	5	1.0	32/0.20	7.7	104
A4LM-C007	7	1.0	32/0.20	8.4	137
A4LM-C010	10	1.0	32/0.20	11.0	206
A4LM-C012	12	1.0	32/0.20	11.0	221
A4LM-C018	18	1.0	32/0.20	12.9	317
A4LM-C025	25	1.0	32/0.20	15.4	430

Larger core counts and cables having coloured cores also available.

Continued overleaf...

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Low Smoke Zero Halogen Screened Flexible Cable 300/500 V 80°C (continued)

Anixter Number	Number of Cores	Nominal Conductor Size	Nominal Number and Size of Wires	Nominal O/D	Approx Cable Weight
		mm ²	#/mm	mm	kg/km
A4LN-C002	2	1.5	30/0.25	6.7	69
A4LN-C003	3	1.5	30/0.25	7.1	90
A4LN-C004	4	1.5	30/0.25	7.7	111
A4LN-C005	5	1.5	30/0.25	8.5	136
A4LN-C007	7	1.5	30/0.25	9.2	172
A4LN-C010	10	1.5	30/0.25	12.1	260
A4LN-C012	12	1.5	30/0.25	12.1	280
A4LN-C018	18	1.5	30/0.25	14.2	407
A4LN-C025	25	1.5	30/0.25	17.0	553
A4LO-C002	2	2.5	50/0.25	7.7	95
A4LO-C003	3	2.5	50/0.25	8.1	125
A4LO-C004	4	2.5	50/0.25	8.9	157
A4LO-C005	5	2.5	50/0.25	9.7	194
A4LO-C007	7	2.5	50/0.25	10.6	249
A4LO-C010	10	2.5	50/0.25	14.0	376
A4LO-C012	12	2.5	50/0.25	14.0	410
A4LO-C018	18	2.5	50/0.25	16.0	580
A4LO-C025	25	2.5	50/0.25	19.3	770
A4LOA-C002	2	4	56/0.30	8.8	133
A4LOA-C003	3	4	56/0.30	9.4	178
A4LOA-C004	4	4	56/0.30	10.3	225
A4LOA-C005	5	4	56/0.30	11.3	281
A4LOA-C007	7	4	56/0.30	12.4	365

Larger core counts and cables having coloured cores also available.

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Low Smoke Zero Halogen Screened Flexible Cable 300/500 V 80°C (continued)

Anixter Number	Number of Cores	Nominal Conductor Size	Nominal Number and Size of Wires	Nominal O/D	Approx Cable Weight
		mm ²	#/mm	mm	kg/k
A4LOB-C002	2	6	84/0.30	10.0	179
A4LOB -C003	3	6	84/0.30	10.7	243
A4LOB -C004	4	6	84/0.30	11.7	311
A4LOB -C005	5	6	84/0.30	12.9	389
A4LOB -C007	7	6	84/0.30	14.2	509
A4LOC-C002	2	10	80/0.40	12.9	292
A4LOC -C003	3	10	80/0.40	13.8	402
A4LOC -C004	4	10	80/0.40	15.3	519
A4LOC -C005	5	10	80/0.40	16.9	661
A4LOC -C007	7	10	80/0.40	18.6	869
A4LOD-C004	4	16	126/0.40	18.1	780
A4LOD-C005	5	16	126/0.40	20.1	992

Larger core counts and cables having coloured cores also available.

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